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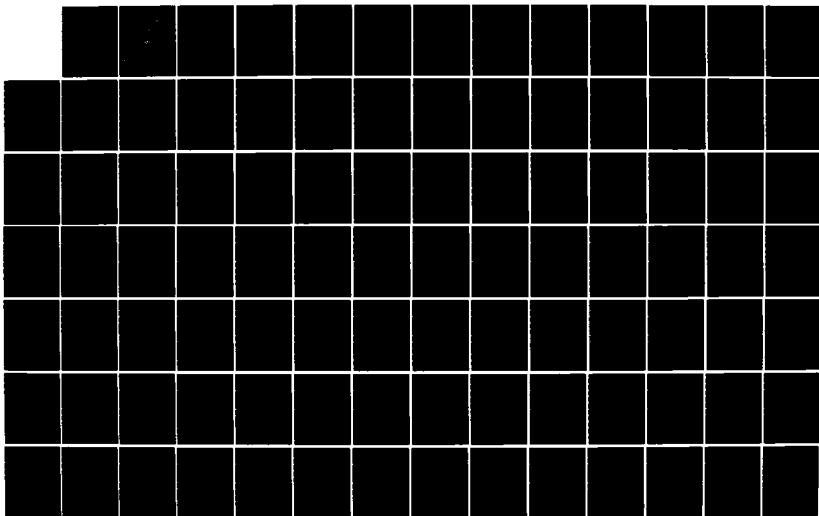
DEPARTMENT OF DEFENSE BASE STRUCTURE REPORT FOR FY 1986
(U) ASSISTANT SECRETARY OF DEFENSE (MANPOWER
INSTALLATIONS AND LOGISTICS) WASHINGTON DC JAN 85

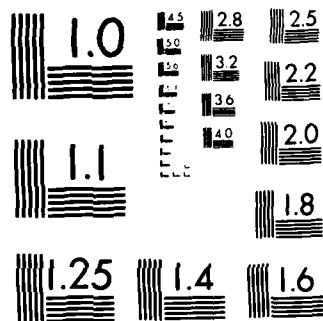
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DEPARTMENT OF DEFENSE

BASE STRUCTURE REPORT

For

FY 1986



JANUARY 1985

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE

MANPOWER, INSTALLATIONS AND LOGISTICS

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BASE STRUCTURE REPORT

FOR
FY 86

JANUARY 1985

Prepared by

Office of the Assistant Secretary of Defense
(Manpower, Installations and Logistics)

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CHAPTER ONE

INTRODUCTION

The Department of Defense is pleased to submit the ninth Base Structure Report to the Congress in compliance with Section 138(c) of Title 10, United States Code. This report is an Annex to the FY 1986 Defense Manpower Requirements Report.

The report should be read and used in conjunction with the following related Department of Defense (DoD) FY 1986 reports which contain information on the DoD forces, personnel, funds, equipment and other resources needed for FY 1986 and beyond:

- Department of Defense Annual Report, Fiscal Year 1986 from the Secretary of Defense.
- The Defense Manpower Requirements Report for FY 1986.
- The Military Manpower Training Report for FY 1986.

I. Reporting Requirement

This report on the DoD Base Structure is required to be submitted to the Congress under the provisions of paragraph (3) of Section 138(c) of Title 10, United States Code that requires submission of the annual Defense Manpower Requirements Report. The Base Structure Report will identify, define and group by mission and by region the types of military bases, installations and facilities and will provide an explanation and justification of the relationship between this base structure and the proposed military force structure together with a comprehensive identification of base operating support costs and an evaluation of possible alternatives to reduce such costs.

In addition, the report includes information on the historical trends of the base structure and data on the size and population of the installations listed in Section VI of each of the Military Service Chapters as required by Senate Armed Services Committee Report Number 95-129.

II. Content and Organization

The Report contains information on the DoD base structure associated with the forces and personnel levels included in the President's Budget for FY 1986. The Report has been prepared with the intent of providing an understanding of the scope, size and purpose of the base structure as it exists at the present time. The base structure is identified in this report by Military Service and regionally, by bases in the Fifty States, U.S. Territories and Possessions and foreign overseas areas. Listed in the report are installations and activities which can be directly related to the force levels of the Military Services. Installations have been categorized and are discussed on the basis of their primary mission. The categorization of installations is based upon a classification system developed for this report and discussed in the FY 1978 Base Structure Annex. This classification system is depicted on Tables I and II at the end of Chapter One. For the most part, Reserve Centers, Reserve Component weekend training sites and other small properties are not separately identified. Also not included are separate properties used for housing sites, navigational aids, radar sites, etc. In addition to classification of the base structure, as part of the justification and explanation of the base structure, the major unit, activity or purpose of each separately identified installation is provided.

Base operations support costs for each Service, as compiled from the DoD budget process, are also identified together with an explanation of actions being taken by the Defense Department to reduce such costs. Proposed actions which affect the base structure and base operations support costs are also highlighted and discussed.

The report is organized into five chapters as follows:

Chapter One - INTRODUCTION

This chapter includes an introduction to the report, explanation of the DoD Installation Defense Planning and Programming (IDPP) Categories, the scope, size and real property investment of the entire DoD base structure, and the definition of base operations support costs.

Chapters Two to Five - MILITARY SERVICE BASE STRUCTURES

These chapters discuss in detail the relationship of the base structure to the Service force structures; the composition of base operations support costs and the programmed expenditures for this area; actions taken to reduce annual base operations support costs and the identification of Service installations worldwide. Chapter Two provides the information on the Army base structure, Chapter Three the Navy base structure, Chapter Four the Air Force base structure and Chapter Five the Marine Corps base structure. Each chapter contains the following Sections.

<u>Section</u>	<u>Title</u>
I	Introduction
II	Base Structure Overview
III	Relationship of Base Structure to Force Structure
IV	Base Operations Support Costs
V	Actions to Reduce Annual Base Operations Support Costs
VI	Service Base Structure Listing by Geographic Area

III. DoD Base Structure

The worldwide DoD base structure for FY 1986 will accommodate an active force of 2,138,000 military and 1,129,000 civilian personnel and, based upon the latest available data, will consist of 5,535 separate installations and properties. These installations and properties range from the small, one-half acre of land for a navigational aid to the Army's Fort Hood, Texas, one of the largest and most heavily populated installations in the DoD inventory. Table III at the end of this chapter depicts the total DoD properties and installations by Military Department and region (U.S., US Territories and Possessions and foreign overseas areas).

The worldwide installations and properties under the control of the DoD at the end of FY 1984 amount to 24.4 million acres of land of varying interests with a total original real property investment cost of \$59.4 billion. The total acreage and real property investment by Military Department and by region are shown in Table IV at the end of Chapter One.

IV. Regional Classification

The DoD base structure has also been classified by region, which together with the IDPP Category Classification System and the actual location of each military base enables identification of the purpose, region and location of each principal base. The regional classification for the military base structure is based upon the location of the military base in the Fifty States, U.S. Territories and Possessions or foreign overseas areas.

V. Categorization of Military Installations

The four Military Services, in the following chapters, have identified and grouped their principal installations and associated important properties using the IDPP Category and regional classification systems developed for this report. Each such installation is identified by name, location of nearest city, State, county or area, and its major unit, activity or function. A narrative explanation and justification by IDPP Category of the base structure in relation to the force levels is presented in each of the following four Military Services Chapters. The installation listings in the Military Service Chapters have been expanded from the original report to more accurately reflect the total Department of Defense base structure. The Senate Armed Services Committee requires that information on the size and population of the installations be included. Two categories of population data are depicted on the listings. The authorized full time permanently assigned military and civilian personnel represent the basic installation population. Added to this population are the appropriated fund financed contractor personnel assigned to the installation, the average daily student load, if applicable, and a daily equivalent Reserve Component training load, as appropriate, to result in the "total personnel" at the installation. This latter figure more accurately reflects the installation population workload. Both the population and land area data in the listings are for the end of the latest available fiscal year. Table VI contains a summary, by IDPP category and by regional classification, of the number of installations, activities and properties listed in Section VI of each of the Military Service Chapters.

VI. Base Operations Support Costs

All base operations support either directly or indirectly contributes to the mission of the strategic and tactical forces, however this report identifies base operations support as that support which is considered to be the overhead costs

(i.e., the general cost of doing business or, conversely, the cost of mission operations not readily assignable to the missions themselves) of operating the defense base structure. The definition of base operations support costs which this report follows provides a reasonable and uniform basis for reporting the support costs of operating defense installations to the Congress. Base operations support costs refers to the cost of services -- goods and people -- needed to operate and maintain defense installations so that the operational forces can pursue their mission objectives. This includes:

- o Real Property Maintenance Activities (Maintenance and repair, minor construction, operation of utilities; and other engineering support),
- o Base Operations Support (Payments to the General Services Administration; administration; retail supply operations; maintenance of installation equipment; bachelor housing operations/furniture; morale, welfare and recreation activities; other base services; and other personnel support), and
- o Other Base Operations Support (Costs not included in the Base Operations Support category above) such as authorized military and family housing construction; family housing operations and maintenance, and commissary operations.

VII. Conclusion

In conclusion, the base structure is a dynamic element of the DoD force posture and has evolved over time to its present composition and size. Changing forces, wartime scenarios, resources availability, technology and many other factors influence its size and composition. In addition, the DoD constantly undertakes reviews to improve the management and efficiency of the base structure. In all these actions, DoD has the objective of establishing the most effective, efficient and economic base structure to meet current and projected peacetime, contingency and mobilization requirements.

TABLE I

DEPARTMENT OF DEFENSE BASE STRUCTURE ANNEX
INSTALLATION DEFENSE PLANNING AND PROGRAMMING (IDPP) CATEGORY CLASSIFICATION

DEFENSE PLANNING AND PROGRAMMING CATEGORIES	MAJOR DEFENSE PROGRAMS									
	O1 STRATEGIC	O2 GENERAL PURPOSE	O3 INTELL & COMINT	O4 AIRLIFT/ SEALIFT	O5 GUARD & RESERVE	O6 RESEARCH & DEVELOP	O7 CENTRAL SUPPLY & MAINT	O8 TRAINING MEDICAL & OTM PER	O9 ADMIN & ASSOCIATED	10 SPT OF OTHER NATIONS
STRATEGIC FORCES 1	STRAT AIRCRAFT STRAT MISSILE COMBINTL COM SURY & WARE PROJ CIVIL DEFENSE		NAT MIL COMB DIV		STRAT AIRCRAFT STRAT MISSILE	STRAT ACFT PROJ STRAT MISS PROJ COMBINTL PROJ SURY & WARE PROJ				
GENERAL PURPOSE FORCES 2	DIVISION FORCES THEATER FORCES TACTICAL AIRCRAFT TAC AIR CONTROL NAVAL FORCES		TAC AIR CONTROL AEROSPACE RESCUE	TACTICAL AIRLIFT STRATEGIC AIRLIFT SEALIFT TRAFFIC MGMT	DIVISION FORCES THEATER FORCES TACTICAL AIRCRAFT TAC AIR CONTROL NAVAL FORCES AIRCRAFT & SYNTACT SEALIFT	DIVISION FCS PROJ TAC ACFT PROJ TAC AIR CTR PROJ NAVAL FCS PROJ				
AUXILIARY FORCES 3			INTELLIGENCE COMMUNICATIONS GEOPHYSICAL		INTELLIGENCE COMMUNICATIONS GEOPHYSICAL	RESEARCH PROJ EXPLO DIV PROJ ADVANCED DIV PROJ ENG DIV PROJECTS MANAGEMENT	EASTERN TEST RANGE			RATO INFRASTRUCTURE MANAGEMENTS WILCPS MILITARY ASSISTANCE
MISSION SUPPORT FORCES 4	BASE OPERATIONS BASE COM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COM AIR TRAFFIC CTR COMMAND	BASE OPERATIONS BASE COM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COM COMBAT TRAINING COMMAND MOB BASE UNITS					INTERNATIONAL HQ
CENTRAL SUPPORT FORCES 5	BASE OPERATIONS AERIAL DELV LOGISTIC SUPPORT	BASE OPERATIONS AERIAL DELV LOGISTIC SUPPORT	BASE OPERATIONS BASE COM COMBAT TRAINING INVESTIGATION NUCLEAR ARMY	BASE OPERATIONS BASE COM COMBAT TRAINING COMMAND	BASE OPERATIONS MEDICAL RECRUITING TRAINING COMMAND LOGISTICS	MEDICAL PROJECTS MANPOWER PROJECTS	BASE OPERATIONS BASE COM COMBAT CENTRAL SUPPLY CENTRAL MAINT OTHER LOG DIV OTHER LOG DIV	BASE OPERATIONS BASE COM MEDICAL RECRUITING EDUCATION & TRNG COMMAND	BASE OPERATIONS BASE COM COMBAT PUBLIC AFFAIRS OTHER ADMIN FED ACFT MPT	
INSTITUTIONALS 6	COMB TNG STUDENTS	COMB TNG STUDENTS		COMB TNG STUDENTS	RECRUIT TNG STUDENTS			TRAINING PATIENTS PRISONERS TRAINING STUDENTS CLERGY		

PROGRAM ELEMENT GROUPINGS

TABLE II
INSTALLATION DEFENSE PLANNING
AND PROGRAMMING (IDPP) CATEGORIES

<u>IDPP</u>	<u>CATEGORY</u>
101	Strategic Forces - Strategic
103	Strategic Forces - Intelligence and Communications
105	Strategic Forces - Guard and Reserve
106	Strategic Forces - Research and Development
202	General Purpose Forces - General Purpose
203	General Purpose Forces - Intelligence and Communications
204	General Purpose Forces - Airlift/Sealift Forces
205	General Purpose Forces - Guard and Reserve
206	General Purpose Forces - Research and Development
303	Auxiliary Forces - Intelligence and Communications
305	Auxiliary Forces - Guard and Reserve
306	Auxiliary Forces - Research and Development
307	Auxiliary Forces - Central Supply and Maint. (Eastern Test Range)
401	Mission Support Forces - Strategic
402	Mission Support Forces - General Purpose
403	Mission Support Forces - Intelligence and Communications
404	Mission Support Forces - Airlift/Sealift Forces
405	Mission Support Forces - Guard and Reserve
502	Central Support Forces - General Purpose
503	Central Support Forces - Intelligence and Communications
505	Central Support Forces - Reserve and Guard
506	Central Support Forces - Research and Development
507	Central Support Forces - Central Supply and Maintenance
508	Central Support Forces - Training, Medical and Other Personnel
509	Central Support Forces - Administration and Associated Activities
601	Individuals - Strategic
602	Individuals - General Purpose
603	Individuals - Intelligence and Communications
604	Individuals - Airlift/Sealift Forces
605	Individuals - Guard and Reserves
608	Individuals - Training, Medical and Other Personnel

the airspace available for military operations at some installations. Encroachment, therefore, is an element which must be considered in determining the future viability of an installation. It is also possible that major weapons changes may effectively "outgrow" existing installation sizes. For example, ranges now adequate for artillery firing may become too small for artillery weapons which may be introduced in the future. However, where encroachment has become or is anticipated to be a problem, its impact is considered during development of base realignment actions.

17. LONG-RANGE PLANS. Force Expansion studies, Total Army Analysis, and other force-related planning tools predict with some measure of certainty the size and shape of future force needs. However, since the future forces cannot be predicted with certainty and are subject to programmed changes, flexibility to accommodate these changes within the base structure should be preserved when possible and economical. This entails developing reasonable assumptions on what unprogrammed force changes might occur and determining how the various options could support the assumed force changes. However, flexibility is difficult to quantify and, as a result, tends to be a subjective consideration.

The overseas base structure is driven by Army forward deployments. For this reason, the above discussion is primarily limited to the base structure in the United States.

13. ENERGY RESOURCE IMPACT. An initial assessment addressing such factors as energy requirements, availability, and cost must be made to determine the potential energy impact of all installation realignments, reductions, or closures. If a significant impact is identified, a detailed study must be made and an Energy Resource Impact Statement (ERIS) prepared. The ERIS then becomes a part of the project justification and decision making documents.

14. RESERVE COMPONENTS SUPPORT. The increased emphasis on the utilization of Reserve Component forces to meet future contingency requirements must be considered. These units are generally constituted in areas where there are population resources. Their readiness depends on, among other things, access to adequate local ranges and training areas. This requires that the range facilities and training areas not only be of the proper size and configuration, but also that they be within reasonable commuting distance. Readiness is adversely affected by increased commuting time and corresponding decreased training time availability. Concurrently, personnel job satisfaction is lowered and personnel recruiting and retention rates are decreased. Many of our bases, both active and inactive, are used extensively for support of these units both for weekend training and annual training. The impact on these type units is an integral part of any analysis conducted.

15. MOBILIZATION AND CONTINGENCY REQUIREMENTS. The type and number of bases required are determined by the need to be capable of supporting the strategy directed by national policy and the operational and training requirements of the Army. The base structure must provide sufficient flexibility to support various contingencies, to include the expansion of the training base, when required, to provide sufficient trained personnel to meet the contingencies. The determination of mobilization requirements of bases should be consistent with guidance in the DOD Master Mobilization Plan, Defense and Army guidance, the Army Plan, and the Army Mobilization and Operations Planning System. Coupled with this requirement is the uncertainty as to when an inactive base might be needed again. The costs of inactivating and reactivating a base can offset savings derived from its closure.

16. ENCROACHMENT. Urban and airspace encroachment into vital areas surrounding installations is of continuing concern. Some installations which were originally remote have attracted major population growth and, as a result, continued operations have been threatened through urban expansion. Civilian aviation activity has served to restrict

9. LAND AREA. The need for adequate and suitable land area to support major combat units and their supporting forces is a major consideration. Bases must be capable of supporting the readiness and deployment training of the assigned forces as envisioned in the United States strategy. This requirement often determines which bases will be retained in the active inventory. Where mission compatibility can be achieved, the consolidation of activities at large, multi-mission bases takes precedence over utilization of small, single mission bases.

10. IMPACT ON OTHER SERVICES/AGENCIES. The Army provides support to many units and activities of the Department of Defense and other Federal agencies. Inherent in any base realignment action is consideration of the impact on those agencies. The personnel turbulence and costs associated with relocating or supporting these types of activities are an integral part of any analysis conducted.

11. COMMUNITY IMPACT. Civilian support resources (e.g., community housing, medical, schools, and recreational facilities) are a consideration in developing base realignment actions. Of particular importance is family housing. Areas which have residual capability to adequately house families negate the cost of providing Government housing and facilitate rapid completion of the proposed action. Adequate support should exist either on or off a gaining installation to avoid a realignment action being counter-productive in terms of morale. Since personnel support capability on our installations is limited, the contribution of the civilian community in this area is important. Conversely, realignment actions which reduce the Army presence in an area may cause serious impact on civilian communities, particularly those in which the major source of the economic base is the military installation. When possible, realignment actions are designed to minimize the impact on local communities. Where appropriate, assistance will be provided to local community leaders in their negotiations with the Office of Economic Adjustment, Department of Defense, whose function is to assist communities in the reestablishment of an economic base when a reduction in Defense expenditures has been severe.

12. ENVIRONMENTAL IMPACT. All realignment actions must be assessed to determine their probable impact on the environment. Base realignment options must have an initial analysis during the preliminary planning. If significant environmental impact is indicated at either a gaining or losing base, an environmental impact statement must be prepared in accordance with the National Environmental Policy Act of 1969.

2. BUDGET/MANPOWER CONSTRAINTS. These inseparably related factors are the principal limitation to attaining and maintaining a particular base structure at all levels. They can influence decisions on retention of individual structures or retention of entire installations.

3. COST SAVINGS. A major objective of the Army is to accomplish the assigned mission at the least cost. Where otherwise comparable alternatives exist; the true "least cost," both in terms of dollars and manpower, must be selected. Typically, an installation closure will not produce total savings of its annual base operations costs, as continuing activities will have to be accommodated elsewhere, in-house, or by other means, such as by contract.

4. PERSONNEL TURBULENCE. The adverse impact of military and civilian personnel turbulence must be given consideration because of both the high costs and the adverse effect on morale, productivity, and readiness.

5. CIVILIAN LABOR MARKET. Many Army missions involve utilization of a highly specialized and unique civilian work force. Many of these people establish deep roots in the local community and are reluctant to relocate with the transfer of the functions they perform. The lack of an appropriate labor market thus becomes a factor in evaluating proposed realignment actions.

6. FACILITIES/HOUSING AVAILABILITY. Maximum utilization of existing facilities with minimum expenditures for new facilities is a major goal in all realignment actions. This includes both mission related facilities and support facilities on-post, and available housing both on-post and off-post. Large capital investments for replacement facilities militate against relocation of activities which require highly specialized, high cost facilities or, in the case of major combat units, large land areas.

7. CAPITAL INVESTED. This factor is directly related to the preceding factor. Having made a large capital investment in facilities at a particular installation, the Army tends to be tied to that installation for the duration of the useful life of the facilities.

8. GEOGRAPHIC LOCATION. The geographic location influences the ability of assigned forces to execute their mission. Weather, terrain, proximity to air and surface transportation, etc., all contribute to retention of installations which enhance operational effectiveness. Likewise, selection of new installations for stationing must take all of these geographically related factors into account.

constructed in rural areas, now finding themselves completely surrounded by civilian activities, which are in some cases incompatible with ongoing military operations. When this happens, the installation, although desirable because of the income it provides, frequently becomes of secondary importance to the community. The income received from the installation also becomes less important as the land values increase to the point where more revenues are realized by civilian development than from the installation. Foreseen in the future is an increasing demand for land in the urban and suburban areas to support civilian needs, thus causing land values to appreciate. This demand will further increase encroachment problems for the military and increase the demand for private use of Federal land under military control.

Emphasis must be placed on continued improvement of planning toward the future organization, physical structure, modernization, and location of Army installations and activities. These considerations will undoubtedly entail significantly increased costs in both the planning and implementation phases of these actions. Because of various types of contamination at a number of Army installations, such as unexploded ammunition and the exceptionally high cost of cleanup, the Army is in a large measure compelled to retain these installations for the foreseeable future. Also, there is a continuing requirement for maintenance and demilitarization facilities for the existing chemical retaliatory stockpile. The continuing decrease of undeveloped land demands sophisticated planning for the acquisition, use, and release of Army property.

The preceding broad factors are, in the main, oriented toward retention and/or expansion of the existing Army base structure overall. In the event adjustments are required within the existing structure due to major force structure changes, mission changes, budget limitations, or other factors, the following specific criteria would, in varying degrees, be applied to future realignment actions.

1. MISSION REQUIREMENTS. The stated or postulated mission requirements of specific activities, within the context of the entire force structure, should be the principal factors which drive choices among stationing alternatives. They are the baseline against which all other factors must be weighed. Mission requirements are increased by new weapon systems which require more training land/space.

2. Many Army installations were constructed with rail lines and military planning considers the use of rail service. Transportation regulations have been liberalized and carriers are now permitted to abandon many light density lines. In many instances, there may have to be a shift to an alternate form of transportation, e.g., highway or air.

3. Commercial pressures on military installations are varied. As land values increase, commercial interests increase pressures for acquisition of installation property. On the other hand, as installations seek to reduce or close operations, various pressures argue for the status quo. Commercial interests seek advantages from the military installation in construction, grazing rights, concession operating rights, employment, and off-post business. At the same time, many oppose traditional military services and facilities which may compete with private business.

4. While a form of national consensus exists in favor of Defense economy and efficiency, a concrete Army proposal for a base reduction or closure in the interest of economy and efficiency is almost certain to meet considerable protest from local interests expressed through their elected representatives at all levels. This is primarily inspired by fears of adverse impact on the local economy, although other issues are also raised. A significant issue raised during these exchanges in recent years is the concept of a regional entitlement to at least some Defense presence. While proponents of this concept have raised some valid points, Defense is not a regionally oriented activity and cannot be considered as such.

5. In addition to environmentally related pressures, such as encroachment on wildlife sanctuaries and meeting the same water and air pollution standards as other activities, military installations by their activity have certain peculiar environmentally related pressures. By virtue of normal training activity, noise, air pollution, water pollution, and wildlife concerns are common to Army bases. However, the Army recognizes its responsibility to serve as a trustee of the environment and will carry out its mission of national security in a manner consistent with applicable environmental standards, laws, and policies.

6. Our major installations are experiencing severe encroachment pressures because of the ever increasing need for land by the surrounding communities. These pressures are not new, but their frequency and momentum are on the rise. The demand for land for residential and industrial purposes is resulting in military installations, originally

next 20 years which could hamper installation expansion programs. Based on these factors, realignment or expansion of the present training/maneuver area may be impaired or precluded in the future.

The following factors will govern Army installation planning for the next 20 years:

1. The concentration of US population is projected to shift toward the Southern and Western States. Army bases in these areas generally offer the largest areas for training, are most suited for rapid expansion by use of temporary facilities, and up to now were in the less populated areas of CONUS. The presence and particularly the expansion of Army bases spawn corresponding increases in civilian communities immediately adjacent to the installations. Modern military weapon systems are characterized by longer ranges, greater lethality, increased support requirements, and higher mobility. These characteristics require larger areas for training/maneuver and firing ranges which, in turn, lead to the following general conclusions:

a. The establishment of a military installation may initially have been in a relatively open area, but the act of establishing such a facility will attract additional people, business, and construction activity. The attraction of this activity, in time, will inevitably result in encroachment on the military installation and restrict its expansion potential.

b. While some CONUS installations are short training land, expansion or diversion is not the only solution. Educated land use practices may provide relief from many current constraints. Commanders may need expert assistance to reduce restrictions on present training areas. Active, Reserve, and National Guard training areas might be identified which could serve as training area relief valves for units with shortages at home stations.

c. Current large multimission Army bases will become more valuable and more restricted in expansion capability, with time.

d. In light of land scarcity and real estate values, future land requirements must be identified and the rights acquired as soon as possible to meet these requirements.

changes; however, the need for the installations and continuing modernization of the physical plants remain. On the other hand, the Army has other missions which are subject to larger variations which, at one time, may generate additional requirements and, at another time, reduce requirements for active installations. Examples are training centers for initial entry training, aviation training facilities, production facilities, administrative space to support specialized activities, and troop unit installations.

The installation structure today is considerably smaller than that which existed prior to the Vietnam War. For the most part, the Vietnam buildup was supported by expansion of facilities at existing active installations, use of the same installation by more than one deploying unit, backfill of installations vacated by deploying units with other activities, and two-shift operations.

The Army is basically tied to its existing installations to support its current and projected force structure levels. The land area acquired prior to, during, and after World War II, coupled with the substantial investment in permanent facilities over the past 40 years, has resulted in a considerable physical plant.

The base structure of the Army today is constantly being reviewed with the objective of optimizing it. Section V lists several areas in which initiatives are underway to promote management efficiencies and reduce base operations costs. At the same time, the possibility exists either of future redeployment of overseas forces back to the continental United States (CONUS) or of mobilizing forces. Accordingly, some flexibility must be maintained in the base structure to accommodate these possibilities.

Federal, state, and local governments and interest groups are encroaching on use of Army training areas at CONUS installations. Encroachments include, but are not limited to, protection of endangered species; Forest Service land use restrictions; ecological/archeological restraints; natural gas/power line easements; undue safety (impact area) considerations; de facto military surrender due to disuse; and lack of imaginative, environmentally enlightened land use. The result is that combat readiness is impaired, training realism is reduced, training plans are altered, transportation costs are increased, and training time is lost due to land use restrictions, real or believed. Options must be found to reduce restrictions on Army training land. There will be population shifts over the

II. BASE STRUCTURE OVERVIEW

Army missions involve the accomplishment of a wide variety of functions requiring both general and specialized accommodations. The facilities required to support the Army vary from administrative office space to troop installations with tens of thousands of acres of firing ranges, impact areas, and training/maneuver areas; laboratories; production plants; proving grounds; and supply and maintenance depots.

The Army's base structure since the end of World War II has undergone constant change as the force structure has expanded and contracted and technological advances have created longer-ranged, more powerful weapons with their concomitant changes in organization and tactics. The logistics base structure has also undergone change as improvements in storage, distribution, maintenance, and transportation systems have permitted reduction in the total number of depot activities. Concurrently, a greater reliance on the private sector for supplies and equipment has resulted in a reduction of the number of industrial type facilities.

At the end of FY 1968, the Army had a total of 1,499 real property holdings in the United States, ranging from small radio transmitter sites and US Army Reserve Centers with less than 5 acres of land area, to large multimission installations with several hundred thousand acres of land area. These holdings were required to be maintained for support of an Active Army military strength of about 1.6 million (of which about 1 million were stationed in the United States) and a Reserve Component military strength of about 0.7 million. As of September 30, 1983, the downward trend in the base structure has resulted in a decrease to 1306 real property holdings. Military strength has decreased to about 0.8 million Active Army personnel (of which about 0.5 million were stationed in the United States) and a Reserve Component military strength of about 0.7 million.

This downward trend in base structure has been characterized by a relatively constant reduction in the number of Army installations over the years, with a balanced decrease in training, headquarters, depot, and industrial type installations.

Some installation requirements are relatively fixed because they support more stable missions such as service schools, research and development activities, materiel testing, and specialized depot activities. Missions at these installations may be modified due to technological

CHAPTER TWO

ARMY BASE STRUCTURE

I. INTRODUCTION

The Army Base Structure Chapter to the Manpower Requirements Report for FY 1985 is submitted in compliance with Section 138 of Title 10, United States Code, as amended by Senate Armed Services Committee Report No. 95-129. This chapter is comprised of five basic sections. Section I is the Introduction. Section II, Base Structure Overview, discusses historical data on the base structure and related manpower trends, outlines the factors which have influenced the Army base structure from World War II to the current date, and details the criteria expected to apply to installations planning for the next 20 years. Section III relates the needs of the major activities within each Installation Defense Planning and Programming (IDPP) category to the current base structure. Major changes to the FY 1986 base structure are also described. Section IV gives a breakdown of projected Army Base Operations Costs for FY 1986. Section V summarizes recent major actions taken to reduce Base Operations Costs and outlines criteria which would apply to such actions in the future.

Section VI consists of the listing of the installations, activities, and properties comprising the base structure.

It should be noted that many large installations have multiple missions and that primary missions shown in Section VI are not necessarily all inclusive. For instance, Fort Belvoir, Virginia, in addition to being the site of the US Army Engineer Center and School, also has the Defense Systems Management College, Belvoir Research and Development Center, US Army Night Vision and Electro-Optics Laboratory, and US Army Topographic Laboratory as major tenants. Similarly, Fort Knox, Kentucky, supports the Armor School, an Army Training Center, and a major combat unit.

TABLE VI

SUMMARY OF NUMBER OF DOD INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
STRATEGIC FORCES				
- STRATEGIC (101)	96	1	3	100
- INTELLIGENCE AND COMMUNICATIONS (103)	1		1	2
- GUARD AND RESERVE (105)	10			10
- RESEARCH AND DEVELOPMENT (106)	6	1		7
GENERAL PURPOSE FORCES				
- GENERAL PURPOSE (202)	124	5	260	389
- AIRLIFT/SEALIFT FORCES (204)	20		6	26
- GUARD AND RESERVE (205)	146	3		149
AUXILIARY FORCES				
- INTELLIGENCE AND COMMUNICATIONS (303)	31	2	18	51
- RESEARCH AND DEVELOPMENT (306)	83	1	1	85
- CENTRAL SUPPLY AND MAINTENANCE (EASTERN TEST RANGE) (307)	3			3
MISSION SUPPORT FORCES				
- STRATEGIC (401)	1			1
- GENERAL PURPOSE (402)	53	1	22	76
CENTRAL SUPPORT FORCES				
- CENTRAL SUPPLY AND MAINTENANCE (507)	170	4	17	191
- TRAINING, MEDICAL AND OTHER PERSONNEL (508)	142	1	5	148
- ADMINISTRATION AND ASSOCIATED ACTIVITIES (509)	2			2
TOTAL DEPARTMENT OF DEFENSE	888	19	333	1240

Note: Includes 14 DoD Agency installations in IDPPC Category 507

TABLE V

SUMMARY OF MAJOR DEFENSE PROGRAMS
BASE OPERATIONS SUPPORT COSTS (\$MILLIONS)

DEPARTMENT OF DEFENSE				
MAJOR DEFENSE PROGRAMS	FIFTY STATES	U.S. TERRITORIES and POSSESSIONS	FOREIGN OVER- SEAS AREAS	TOTAL
Strategic (01)	2,343.5	36.3	34.6	2,414.4
General Purpose (02)	4,659.2	48.4	4,811.9	9,519.5
Intell. & Comm. (03)	209.8	19.8	99.6	329.2
Air/Sealift (04)	1,024.4	-	4.0	1,067.4
Guard & Reserve (05)	993.8	1.7	-	995.5
Research & Develop (06)	371.4	-	-	371.4
Cent. Supply & Maint. (07)	3,021.3	28.7	119.9	3,169.9
Trng. Med, & Other Personnel (08)	3,244.4	7.1	70.9	3,322.4
Admin. & Assoc. (09)	530.2	-	2.2	532.4
Spt. of Other Nations (10) Total	<u>16,398.0</u>	<u>142.0</u>	<u>5,182.1</u>	<u>21,722.1</u>
Construction	5,421.7	95.9	1,440.3	6,957.9
Family Housing Operations and Maintenance	<u>1,571.3</u>	<u>78.4</u>	<u>1,121.9</u>	<u>2,771.6</u>
Total	23,391.0	316.3	7,744.3	31,451.6

TABLE IV

DEPARTMENT OF DEFENSE
REAL PROPERTY HOLDINGS
SEPTEMBER 30, 1984
(MILLIONS OF ACRES)

	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVERSEAS AREAS</u>	<u>TOTAL</u>
ARMY	11.534	.025	.428	11.987
NAVY <u>1/</u>	3.634	.064	.252	3.950
AIR FORCE	<u>9.215</u>	<u>.040</u>	<u>1.390</u>	<u>10.645</u>
TOTAL	24.383	.129	2.070	26.582

REAL PROPERTY INVESTMENT
SEPTEMBER 30, 1984
(\$MILLIONS)

ARMY	\$ 17,566	\$ 302	\$ 1,081	\$ 18,949
NAVY <u>1/</u>	15,406	952	2,072	18,430
AIR FORCE	<u>18,440</u>	<u>510</u>	<u>3,077</u>	<u>22,027</u>
TOTAL	\$ 51,412	\$ 1,764	\$ 6,230	\$ 59,406

1/ Includes Marine Corps

TABLE III

DEPARTMENT OF DEFENSE
MILITARY PROPERTY SUMMARY
SEPTEMBER 30, 1984

	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVERSEAS AREAS</u>	<u>TOTAL</u>
ARMY	1,276	15	919	2,210
NAVY <u>1/</u>	502	17	65	584
AIR FORCE	<u>2,090</u>	<u>27</u>	<u>624</u>	<u>2,741</u>
TOTAL	3,868	59	1,608	5,535

1/ Includes Marine Corps

III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

In common with the Marines, but differing from the Air Force, the Army's major combat mission elements use their portion of the base structure only for training, quartering of personnel, and maintenance of equipment in preparation for the combat mission. They do not normally fight the war from fixed installations as would units of the Strategic Air Command.

Overseas deployed units should be located in close proximity to the area of their anticipated wartime mission. The precise locations, however, are determined by what the host government can and will make available. Major factors impacting on decisions for overseas base structure support, include political considerations, host nation support, and the availability of U.S. funding.

The stationing of divisions and other major tactical units is given priority consideration based on such critical factors as the presence of adequate maneuver and training space and ranges, the availability of housing and support, and restricting environmental impacts. Since stationing choices are of necessity made from existing installations originally acquired to meet less demanding past conditions, these stations involve some compromise of currently forecasted ideal conditions. As noted in Section II, modernized forces are presently "outgrowing" their installations. For those divisions having prepositioned unit equipment in overseas theaters, precise location in CONUS vis-a-vis the primary wartime mission is no longer a major consideration. Strategic airlift can move personnel and their individual equipment east or west with minimal significant time differential. For units scheduled to move by surface transport with full equipment later in a particular deployment scenario, location within the CONUS is still a consideration.

The CONUS logistics base structure, to include installations with research and development as primary missions, is also largely evolutionary. It is what remains of World War II mobilization, created at widely dispersed locations with considerable redundancy in anticipation of enemy attack against the homeland. Much rationalized and modernized, it is serviceable and capable of performing its mission of supporting deployed forces.

STRATEGIC FORCES (100)

Base Requirements:

The basing of strategic forces is confined primarily to communications type activities which are normally satellited on installations for logistical support.

GENERAL PURPOSE FORCES (200)

Base Requirements:

The Army must train the way it will fight. The battalion task force, the lowest level at which all elements of the combined arms team come together, must regularly practice offensive and defensive tactics deployed on frontages and depths comparable to those expected in wartime. When battalions have demonstrated critical task proficiency, brigade exercises should be conducted so as to bring into play the full range of fire support, operations, and logistical contingencies. Division commanders should deploy critical elements of their commands in order to exercise an appropriate range of combined arms operations in a joint setting.

Units without prepositioned equipment overseas should be located at installations in proximity of, or having easy access to air and surface transportation to, the port of embarkation (sea and air) from which they are most likely to deploy, in order that they can respond quickly to early deployment requirements. Units should also be stationed in proximity to the coasts and borders of the Nation to be in a position to counter threats to CONUS, yet they must have sufficient land to train and fire their weapons. They should not be stationed near heavily populated areas, industrial complexes, or other strategic targets. The surrounding area should offer sufficient space for dispersal to ensure that the unit itself does not present a lucrative military target and is afforded a reasonable degree of survivability. Training areas should provide the force with a wide array of climatological and topographical features in which to train and which represent a cross-section of the world's environments.

Active installations should be located so as to readily accommodate Reserve Component units in the event of mobilization, without necessitating excessive movement and delay from home station to mobilization station. Implicit also in the mobilization stationing requirement is the necessity for providing Reserve Component units with annual training and inactive duty training sites.

In the continental United States, the major active combat units are: 10 divisions (includes four divisions with two active brigades and one Army National Guard roundout brigade), two separate brigades, an air cavalry combat brigade, and an armored cavalry regiment. The units are structured for a variety of environments and missions. The goal is to maintain a force which is available for rapid commitment.

In Europe, four divisions, three forward deployed and one special mission brigade, and two armored cavalry regiments retain the high level of readiness necessary to permit an immediate response to any aggression against the NATO alliance.

In the Pacific, the divisions in the Republic of Korea and Hawaii (the 25th Infantry Division includes two active brigades and one Reserve Component roundout brigade) are ready to perform their assigned combat mission.

The Army has deployed one special mission brigade in the Panama area and one in Alaska to provide a ready response to any contingency which might arise in those areas.

All nine Army National Guard divisions, 19 combat brigades (four of which roundout active divisions), and four armored cavalry regiments are located in the continental United States. Additionally, one combat brigade is located in Hawaii (roundout for the Hawaiian active division) and one combat brigade is located in Puerto Rico. The Army Reserve has three combat brigades in the United States. Both the Army National Guard and the Army Reserve major combat units provide the Total Army a substantial combat force. The following depicts stationing of Active and Reserve Component divisions:

Active Divisions

Location

1st Infantry (Mechanized) <u>1/</u>	Fort Riley, Kansas
2d Infantry <u>3/</u>	Camp Casey, Korea
3rd Infantry (Mechanized) <u>3/</u>	Wurzburg, Germany
4th Infantry (Mechanized) <u>1/</u>	Fort Carson, Colorado
5th Infantry (Mechanized) <u>2/</u>	Fort Polk, Louisiana
6th Infantry (Light) <u>2/</u>	Fort Wainwright, Alaska
7th Infantry (Light) <u>2/</u>	Fort Ord, California
8th Infantry (Mechanized) <u>3/</u>	Bad Kreuznach, Germany
9th Infantry	Fort Lewis, Washington
10th Infantry (Light) <u>2/</u>	Fort Drum, New York
24th Infantry (Mechanized) <u>2/</u>	Fort Stewart, Georgia
25th Infantry (Light) <u>2/</u>	Schofield Barracks, Hawaii
1st Cavalry <u>2/</u>	Fort Hood, Texas
1st Armored <u>3/</u>	Ansbach, Germany
2d Armored <u>1/</u>	Fort Hood, Texas
3rd Armored <u>3/</u>	Frankfurt, Germany

82d Airborne
101st Airborne (Air Assault)

Fort Bragg, North Carolina
Fort Campbell, Kentucky

Army National Guard Divisions

Location 4/

26th Infantry
28th Infantry
29th Infantry (Light)
35th Infantry (Mechanized)

Massachusetts/Connecticut
Pennsylvania
Maryland/Virginia
Kansas/Nebraska/Missouri/
Kentucky

38th Infantry
40th Infantry (Mechanized)
42d Infantry
47th Infantry
49th Armored
50th Armored

Indiana/Michigan
California
New York
Minnesota/Iowa/Illinois
Texas
New Jersey/Vermont

- 1/ One brigade deployed forward.
- 2/ Roundout division.
- 3/ Locations shown are division headquarters. Units are dispersed at multiple sites.
- 4/ First State listed is division headquarters.

Nondivisional combat general purpose forces are distributed throughout the base structure with emphasis on providing balanced forces at the major combat unit installations.

The Army must also maintain semiactive installations which are required primarily for the support of training of the Reserve Components and for mobilization. In addition, there are State-owned/leased installations which are required for support of weekend and annual training and mobilization. Active component installations also perform these functions but are not adequate to satisfy the total requirement. The Army cannot fulfill full mobilization requirements in the time frame envisioned under current strategy unless these installations are maintained. Access to additional acreage for maneuver purposes will be essential to the extensive training required to make the mobilized force fully combat ready.

Terminal and outport facilities functions are under the Military Traffic Management Command (MTMC), which has area command headquarters at Bayonne, New Jersey and Oakland, California. Each area command headquarters commands a military ocean terminal for general cargo at its respective location and military outports at various commercial ports. The DOD transportation mission is accomplished almost exclusively by utilizing commercial resources. The military ocean terminals, which are shared with industry during peacetime, will be returned to military use when needed. Hazards involved in moving ammunition require that separate Government-owned terminals be maintained.

Major force modernization force structure changes and their aggregate impact on the base structure must be forecasted and considered in base structure planning. Current and proposed restructuring initiatives will require additional facilities at installations, but are not expected to increase the base structure overall.

Implementation of the provisions of the Panama Canal Treaty resulted in dislocation of some Army activities to other sites within Panama. This action requires renovation of existing facilities and/or new construction but will not significantly impact on the base structure other than as specified in the treaty itself.

The National Training Center (NTC) provides the Army a training area where a total combat environment can be simulated. This newly established environment, comprising realistic maneuver areas comparable with modern battlefield requirements, warfare techniques, and future weaponry developments, has increased and will continue to increase the Army's combat readiness. The Army reactivated Fort Irwin, California, on 1 July 1981 as a US Army Forces Command installation and the site for the NTC. Comprising 642,805 acres in the Mojave Desert, Fort Irwin has sufficient and challenging terrain for exercising heavy battalions. Its isolation from civilian communities will permit maximum mobility, full power electronic warfare play, and live fire support from all available systems, to include close air.

Fort Irwin is used for annual and weekend training of California National Guard and Army Reserve units. In addition, roundout Reserve Component battalions participate with their parent Active Component Division during rotations to the NTC.

AUXILIARY FORCES (300)

Basing Requirements:

Research, development, testing, and evaluation (RDT&E) of Army materiel, weapons, and support systems are accomplished primarily by the US Army Materiel Command (AMC), US Army Medical Research and Development Command, and US Army Corps of Engineers. Accomplishment of these missions requires availability of numerous test facility complexes, laboratory and research facilities, and administrative headquarters facilities. These facilities are either operated as RDT&E installations/activities or as tenant facilities on other than RDT&E installations.

Generally, these research and testing facilities require a highly sophisticated equipment inventory and work force. Facilities devoted to testing are usually located in remote areas necessitating maintenance of a constant on-site work force. These facilities are an integral part of the Army's overall materiel development and acquisition mission and significantly contribute to the attainment of US efforts to maintain a lead in weapon systems technology.

The US Army Information System Command (USAISC) provides Army- wide non-tactical communications and air traffic control support. To provide base communications support, USAISC requires tenant facilities at most installations. Additionally, installations are used by USAISC to support the Defense Communications System and Army Command and Control requirements.

MISSION SUPPORT FORCES (400)

Basing Requirements:

To provide adequate command, control, and management of Army resources, it is essential that necessary administrative space be available. These installations serve as homes for major command headquarters, for units engaged in supervising Reserve Component training and readiness, and for unique specialized functions. They require a highly sophisticated work force not normally found at remote locations and rapid modes of close-in transportation. While not contributing directly to the "tooth" side of the Army, they are an integral part of the "tail" and significantly contribute to the attainment of a combat ready Army.

CENTRAL SUPPORT FORCES (500)

Basing Requirements:

Since 1813, arsenals have been the continuing centers for the preservation of unique skills required for the defense of the United States. Their role has evolved from one of manufacturing, storage, and maintenance of weapons to one of serving as the nuclei from which private industry obtained "know-how" to mass produce a multitude of products used in war. More recently, their manufacturing activities have been limited to production of very small quantities of items where a producer in private industry could not be found. Their primary mission is to support the research and development program by providing the capability to build prototype research and development items and to provide a production base in the event of mobilization. A second major area of

production type bases is the Government-owned, Contractor-operated (GOCO) plants used in the production of munitions, tanks, aircraft, electronics, and missiles. A number of these are presently in standby status, with others active. The fact that these plants are Contractor-operated provides the Army the flexibility to more readily expand or contract our capability consistent with requirements. Continued modernization of these plants is essential to assure a viable capability attuned to prospective needs.

Depot storage and maintenance requirements consist of:

1. Wholesale storage depots having responsibility for the storage, maintenance, and distribution of major items; including storage of go-to-war stocks for Reserve Component forces. These may also have the additional requirement for safe storage, maintenance, distribution and, in some cases, demilitarization of explosives, special weapons, and toxic and chemical materiel.

2. Distribution depots having responsibility for supporting assigned geographic areas, both CONUS and overseas, for storage and distribution of secondary items. In some instances, they have maintenance activities and may continue to have this mission in the future.

3. Depot activities which store major items and act as an extension of the storage capability of the depots. In some cases, they too have the additional requirement discussed under wholesale storage depots.

Long-range planning for depot maintenance facilities is a dynamic effort, affected by several variables. These include realignment within the DOD to establish "single Service managers" (e.g., assign to a given Service a new item entering the inventory), the use of contractor-owned/operated facilities in lieu of organic (in-house) Army-owned/operated facilities to perform depot maintenance of equipment, and the expanded efforts to "maximize" inter-servicing of material. At the same time, studies are being conducted to determine the minimum CONUS base required to sustain the mission essential work load authorized for organic depot level accomplishment.

Service schools have the primary mission of replenishing forces with trained personnel in peacetime and maintaining a wartime expansion capability to support mobilization. Driven by improvements in communicative technology and by the need to conduct training relevant to new organizations, tactics, and weapons systems, these schools will aim at establishing centers of excellence for the training and doctrine of all branches.

The initial entry training centers will develop and administer programs of instruction driven by the same factors discussed above on Service schools.

Medical facilities and activities provide health services to Active Army forces and other authorized beneficiaries. Station (community) hospitals provide basic and general ambulatory and inpatient health services. In addition to basic and general health services, Army medical centers provide regional specialty and sub-specialty consultative and referral health services for Army, as well as other Military Services and Federal agencies. Medical centers also provide the primary capabilities for care of casualties in the event of contingencies or mobilization and the source of graduate, specialized, and technical training for health professionals and technicians that staff Army field forces and station hospitals.

Current realignment studies could affect Fort Meade, Maryland; Fort Leonard Wood, Missouri; and Fort Belvoir and Arlington Hall Station, Virginia, along with activities in leased space in the National Capital Region. The base structure necessary to support the Army's combat support training is also under study, and could affect as many as ten separate installations.

INDIVIDUALS (600)

The Army has no major installations falling into this IDPP category.

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1986

A summary of the estimated FY 1986 Base Operations Support Costs follows.

TABLE VII

MAJOR DEFENSE PROGRAMS
ARMY BASE OPERATIONS
SUPPORT COSTS (\$MILLIONS)

MAJOR DEFENSE PROGRAMS	FIFTY STATES	U.S. TERRITORIES and POSSESSIONS	FOREIGN OVER- SEAS AREAS	TOTAL
Strategic (01)	-	-	-	-
General Purpose (02)	1,676	-	2,106	3,782
Intell. & Comm. (03)	96	-	-	96
Air/Sealift (04)	-	-	-	-
Guard & Reserve (05)	317	-	-	317
Research & Develop (06)	-	-	-	-
Cent. Supply & Maint. (07)	576	-	67	643
Trng. Med, & Other Personnel (08)	1,386	-	-	1,386
Admin. & Assoc. (09)	356	-	-	356
Spt. of Other Nations (10) Subtotal	<u>4,407</u>	<u>-</u>	<u>2,173</u>	<u>6,580</u>
Construction	1,878	18	653	2,549
Family Housing Operations and Maintenance	663	2	591	1,256
Total	<u>6,948</u>	<u>20</u>	<u>3,417</u>	<u>10,385</u>

V. ACTIONS TO REDUCE ANNUAL BASE OPERATIONS COSTS

The Army continues an active program to promote management efficiencies and consolidate or eliminate functions in order to reduce base operations costs. A number of these will affect the FY 1986 budget:

1. INTRASERVICE SUPPORT AGREEMENTS. Army commanders have, over many years, established literally thousands of formal and informal intraservice support agreements. These agreements were made because good managers, at the operating levels, recognized that either operational advantages or resource savings would result from the agreements. Prior to 1983 there was no requirement that commands record and report either the value of these agreements or the extent of resources saved by these agreements. Recently, the Army initiated actions to record the value and savings associated with both existing and new intraservice agreements under the DRIS program, paragraph 2, below.

2. INTERSERVICE AGREEMENTS - THE DEFENSE REGIONAL INTER-SERVICE SUPPORT (DRIS) PROGRAM. As of June 30, 1984, the Army had a total of 3,975 DRIS interservice agreements in effect. It is the supplier of \$284 million in annual services and the receiver of \$141 million in benefits. Between FY 1978 and June 30, 1984, the Army achieved \$10,069,866 in one-time budget savings as recorded in the DOD data bank. In the first three quarters of FY 84, there was a 110% increase over 1983 budget savings. It should be noted that prior to FY 1983 there was no requirement to compute or record "avoidance savings," i.e., cost avoidances. Therefore, the savings do not reflect the true extent of recurring costs avoided by the Army for this period. Since FY 83, the Army has recorded \$50,385,313 in avoidance savings for both intra and interservice support. On a cumulative basis, extending budget savings annually since 1978, the Army has accrued \$20 million in budget savings and \$51 million similarly in avoidance savings since 1983, for a net of \$71 million as of June 30, 1984. In addition, prior to FY 1984, savings were not computed or reported for agreements resulting from sole source or directed support; changes in supplier or receiver; wholesale support; or Joint Logistics Commanders' and Research, Development, Test and Evaluation (RDT&E) agreements. The Army initiated action in mid-1983 to capture these savings during the next three or more years. Examples of recent successes include \$3.5 million in budget savings for FY 1984 and \$36.8 million in annual avoidance savings due to new and previous agreements.

3. COMMERCIAL ACTIVITIES (CA) PROGRAM. The goal of the CA Program is increased efficiency and reduced operating costs. Savings over the last five years are indicative of what can be achieved by this Program. The Army has reduced the size of the cost studied workforce by 24 percent. A total of 46,600 civilian and 6,470 military spaces are projected for study by the MACOMS through FY 87. Based on study results to date, the foregoing spaces (which do not cover all CA announced spaces) will produce approximately 18,000 civilian and 6,470 military spaces for reallocation to higher priority installation, MACOM, and Army needs

4. ARMY PERFORMANCE ORIENTED REVIEW AND STANDARDS (APORS) PROGRAM. OSD directed the Services to capitalize on the lessons learned from the CA program by applying the key features of the management study methodology to those government in-house activities that are not subject to CA program studies. The APORS program was initiated by the Army in the Continental United States (CONUS) in FY 1984. Future plans include extending APORS to overseas commands, based on lessons learned in the CONUS.

5. PRODUCTIVITY CAPITAL INVESTMENT PROGRAMS (PCIP). The Army, under PCIP, invests funds to modernize tools, equipment and facilities to increase in-house productivity. These programs, under a variety of names and protocols, are based upon investing funds in order to achieve matching savings within a short period of time, usually within two or four years. FY 1985 plans include investments of \$84 million. Couched in business terms, the Army's PCIP programs have historically yielded a Return on Investment (ROI) of fourteen-to-one during the economic life of a project.

6. VALUE ENGINEERING (VE) PROGRAM. The Army's VE program results in the development of specific proposals to provide alternate ways to accomplish a basic function, or to eliminate unnecessary functions that are adding to costs and can be eliminated without a decrease in performance, quality, reliability, maintainability or safety. The Army's VE program reaps benefits not only from the Government in-house work force, but also from the private sector through VE incentive clauses in contracts for goods and services. In business terms, the VE Program's ROI has grown between FY 1978-1982 from thirteen-to-one to twenty-to-one. FY 1984 goals for the Army VE program are to generate 1,710 in-house and 845 contractor proposals.

7. ENERGY CONSERVATION. The Army consumed 18 percent of the total energy consumed by DOD in 1982. Of that amount, 83 percent was consumed at fixed facilities and 17 percent was consumed in mobility operations. Therefore, Energy Conservation is a primary concern for Army installation managers. Since 1973, energy consumption has been reduced by 30 percent. The Army's Energy Conservation Programs (Energy Engineering Analysis Program (EEAP); Energy Conservation Investment Program (ECIP); Fuel Conversion; Army Energy Awareness Program; and Facilities Energy Research, Development, Test and Evaluation (RDT&E) Program) have a goal of reducing, compared to a base year of FY 75, energy consumption in existing facilities by 20 percent per square foot of active space in FY 1985 and 40 percent by the year 2000.

Since 1973 the Army has achieved an impressive reduction in energy consumption. However, during this same period the costs of energy for the Army have risen more than 300 percent. Realities such as this are "the challenge" facing the Army's installation managers.

SECTION VI

ARMY BASE STRUCTURE

Note: Population and land area data for Army installations in the Federal Republic of Germany do not necessarily add up to the total shown for each of the "US Army Base" community areas. The community areas include other off site locations such as family housing not included in this report.

United States
FY 1986

AUTHORIZED MANPOWER
FULL-TIME PERMANENTLY
ASSIGNED

State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
VERMONT		DUGWAY PROVING GROUND	DUGWAY	306	235	675	910	1344	802731	R&D TEST CENTER
		DEFENSE DEPOT, OGDEN	OGDEN	507	12	1884	1896	1896	1326	LOGISTICS DEPOT (DLA)
		GREEN RIVER TEST COMPLEX	PRICE	306	*	*	*	*	3628	T&E ACTIVITIES
		WILLIAMS, CAMP	SALT LAKE CITY	205	87	30	117	2399	20773	ARMY NATIONAL GUARD ACTIVITIES
		TOOELE ARMY DEPOT	TOOELE	507	72	4038	4110	4360	44087	LOGISTICS DEPOT
VERMONT		ETHAN ALLEN FACILITY	BURLINGTON	205	13	4	17	640	822	ARMY NATIONAL GUARD ACTIVITIES
		ETHAN ALLEN FIRING RANGE	JERICO	306	9	16	25	695	11157	T&E ACTIVITIES
VIRGINIA		BELVOIR, FORT	ALEXANDRIA	508	4849	4854	9703	9910	8656	US ARMY ENGINEER CENTER & SCH
		CAMERON STATION	ALEXANDRIA	507	38	351	389	423	168	HQ DEFENSE LOGISTICS AGENCY
		ARLINGTON HALL STATION	ARLINGTON	303	1083	1660	2743	2792	87	HQ USAINSCOM ADMIN, DIA
		MYER, FORT	ARLINGTON	202	2009	316	2325	2410	256	ADMIN & LOGISTICAL SUPPORT
		PICKETT, FORT	BLACKSTONE	205	75	452	527	6968	45160	RC & ACTIVE ARMY TNG (I)
		A.P. HILL, FORT	BOWLING GREEN	205	66	219	285	5573	76205	RC & ACTIVE ARMY TNG (I)
		MONROE, FORT	HAMPTON	508	1143	1845	2988	3031	1069	TRADOC HEADQUARTERS
		EUSTIS, FORT	NEWPORT NEWS	508	8071	3026	11097	12487	8323	TRANSPORTATION CENTER & SCHOL
		LEE, FORT	PETERSBURG	508	5046	3618	8664	9641	5633	US ARMY QUARTERMASTER CTR&SCH
		RADFORD ARMY AMMUNITION PLANT	RADFORD	507	32	176	208	5208	4087	PRODUCTION-PROPELLENTS (C)
		DEF GENERAL SUPPLY CTR, RICH.	RICHMOND	507	46	3094	3140	3179	647	ICP & LOGISTICS DEPOT (DLA)

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SOUTH CAROLINA									
	JACKSON, FORT	COLUMBIA	508	17550	2227	19777	20369	52537	US ARMY TRAINING CENTER
TENNESSEE									
	VOLUNTEER ARMY AMMUNITION PLT	CHATTANOOGA	507	*	7	7	230	7353	PRODUCTION-CHEMICALS (C) (I)
	HOLSTON ARMY AMMUNITION PLANT	KINGSPORT	507	15	41	56	1186	6110	PRODUCTION-MISC AMMO (C)
	DEFENSE DEPOT, MEMPHIS	MEMPHIS	507	31	3361	3392	3395	642	LOGISTICS DEPOT (DLA)
	MILAN ARMY AMMUNITION PLANT	MILAN	507	2	67	69	2270	22544	PRODUCTION-CARTRIDGES (C)
TEXAS									
	SWIFT, CAMP NG	AUSTIN	205	9	*	9	469	11740	ARMY NATIONAL GUARD ACTIVITIES
	BLISS, FORT	EL PASO	508	20447	4723	25170	28876	118218	AIR DEFENSE CENTER & SCHOOL
	SAGINAW ARMY AIRCRAFT PLANT	FT WORTH	507	*	*	*	94	155	PRODUCTION-HELO ASSEMBLIES (C)
	HOOD, FORT	KILLEEN	202	38888	5932	44820	45810	216946	1ST CAVALRY DIV&2D ARMORED DIV
	LONGHORN ARMY AMMUNITION PLANT	MARSHALL	507	2	38	40	963	8493	PRODUCTION-MISC AMMO (C)
	BULLIS, CAMP	SAN ANTONIO	205	1388	86	1474	2476	27880	RESERVE COMPONENT TNG
	CAMP STANLEY STORAGE ACTIVITY	SAN ANTONIO	507	1	126	127	127	4000	STORAGE
	SAM HOUSTON, FORT	SAN ANTONIO	508	9936	5934	15870	17533	3159	MEDICAL TRAINING HQ
	LONE STAR ARMY AMMUNITION PLT	TEXARKANA	507	2	56	58	1800	15546	PRODUCTION-MISC AMMO (C)
	RED RIVER ARMY DEPOT	TEXARKANA	507	88	6206	6294	7103	19081	LOGISTICS DEPOT

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		DEF CONSTRUCTION SUPPLY CTR	COLUMBUS	507	38	5167	5205	5235	566	ICP & LOGISTICS DEPOT (DLA)
		PERRY, CAMP	FREMONT	508	*	*	*	*	7	RESERVE COMPONENT TRAINING (I)
		LIMA ARMY TANK CENTER	LIMA	507	8	106	114	3219	374	PRODUCTION-XMI TANKS
		RAVENNA ARMY AMMUNITION PLANT	RAVENNA	507	83	41	124	618	21427	PRODUCTION-MISC AMMO (C) (I)
OKLAHOMA										
		SILL, FORT	LAWTON	508	22428	3433	25861	28471	94221	US ARMY FLD ARTILLERY CTR&SCH
		MCLESTER ARMY AMMO PLT	MCLESTER	507	27	1062	1089	1187	44964	STORAGE-AMMO
		GRUBER, CAMP	MUSKOGEE	205	2	2	4	1002	26075	ARMY NATIONAL GUARD ACTIVITIES
OREGON										
		UMATILLA ARMY DEPOT ACTIVITY	HERMISTON	507	9	291	300	306	19729	STORAGE DEPOT
PENNSYLVANIA										
		INDIANTOWN GAP, FORT	ANNVILLE	205	189	552	741	6215	18052	RC & ACTIVE ARMY TNG (I)
		CARLISLE BARRACKS	CARLISLE	508	630	853	1523	1568	403	US ARMY WAR COLLEGE
		LETTERKENNY ARMY DEPOT	CHAMBERSBURG	507	129	5397	5526	6400	19511	LOGISTICS DEPOT
		NEW CUMBERLAND ARMY DEPOT	NEW CUMBERLAND	507	519	3964	4483	5041	832	LOGISTICS DEPOT
		DEFENSE PERSONNEL SUPPORT CTR	PHILADELPHIA	507	204	9162	9366	9421	86	PROC&SUP, CLOTHING FACTORY(DLA)
		HAYS AMMUNITION PLANT	PITTSBURGH	507	*	*	*	12	8	PRODUCTION-MISC AMMO (C) (I)
		SCRANTON ARMY AMMUNITION PLANT	SCRANTON	507	2	21	23	701	15	PRODUCTION-PROJECTILES (C)
		TOBYHANNA ARMY DEPOT	TOBYHANNA	507	58	4557	4615	5007	1293	LOGISTICS DEPOT

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NEW MEXICO		MONMOUTH, FORT	RED BANK	306	2600	8501	11101	11518	637	R&D HEADQUARTERS
		DIX, FORT	TRENTON	508	12203	2221	14424	17964	31110	US ARMY TRAINING CENTER
		BLISS FORT, AAA RANGES	EL PASO, TX	508	*	*	*	*	994482	RANGE
		FORT WINGATE DEPOT ACT	GALLUP	507	126	167	293	294	22120	STORAGE
NEW YORK		WHITE SANDS MISSILE RANGE	WHITE SANDS	306	1220	4317	5537	7293	1746720	R&D WEAPONS TEST CENTER
		HAMILTON, FORT	BROOKLYN	508	602	370	972	1366	177	ADMIN & LOGISTICAL SUPPORT
		WADSWORTH, FORT	NEW YORK	508	*	*	*	*	226	FAMILY HOUSING
		STEWART ANNEX	NEWBURGH	402	138	359	497	530	410	HOUSING
		SENECA ARMY DEPOT	ROMULUS	507	598	1102	1700	1749	10861	LOGISTICS DEPOT
		GALEVILLE TRNG SITE	WALLKILL	508	*	*	*	*	621	TRAINING
		DRUM, FORT	WATERTOWN	205	1149	944	2093	2102	107265	RC & ACTIVE ARMY TNG (1)
		WATERVLIET ARSENAL	WATERVLIET	507	21	2704	2725	2758	140	R&D, PROD-ARTILLERY COMPONENTS
		WEST POINT MILITARY RES	WEST POINT	508	6339	2231	8570	9110	15975	USMA-OFF ACQUISITION TNG
NORTH CAROLINA		BRAGO, FORT	FAYETTEVILLE	202	45690	5586	51276	56980	130896	82ND AIRBORNE DIVISION
		MIL OCEAN TERMINAL-SUNNY POINT	SOUTHPORT	204	15	275	290	408	16324	HARBOR & PORT
OHIO										

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MONTANA										
		HARRISON, WM HENRY, FORT NG	HELENA	205	10	10	20	50	1598	ARMY NATIONAL GUARD ACTIVITIES
		MISSOULA, FORT	MISSOULA	205	*	*	*	*	3	RESERVE COMPONENT TRAINING
NEBRASKA										
		CORNHUSKER ARMY AMMUNITION PLT GRAND ISLAND		507	*	2	2	73	11936	PRODUCTION-PROJECTILES (C)(1)
		MEAD FACILITY NG	MEAD	205	13	*	13	109	1197	ARMY NATIONAL GUARD ACTIVITIES
NEVADA										
		HAWTHORNE ARMY AMMO PLT	HAWTHORNE	507	86	117	203	917	147431	STORAGE-AMMO
		LAKE MEAD BASE	LAS VEGAS	507	*	*	*	*	7876	LOGISTICS DEPOT-AIR FORCE
NEW HAMPSHIRE										
		ARMY COLD REGIONS RESEARCH LAB HANOVER		306	*	*	*	*	20	RED-COLD WEATHER IMPACT
NEW JERSEY										
		EVANS AREA	ASBURY PARK	306	*	*	*	*	253	RD&E ACTIVITIES
		OAKHURST AREA	ASBURY PARK	306	*	*	*	*	6	RD&E ACTIVITIES
		MIL OCEAN TERMINAL-BAYONNE	BAYONNE	204	174	1932	2106	2495	679	HARBOR & PORT
		PICATINNY ARSENAL	DOVER	306	192	5903	6095	6282	6491	R&D HEADQUARTERS
		PEDRICKTOWN SUPPORT FACILITY	PEDRICKTOWN	205	*	*	*	*	86	RESERVE COMPONENT TRAINING
		CHAS WOOD AREA	RED BANK	306	*	*	*	*	512	SUPPORT SITE

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		SOUTH BOSTON SUPPORT ACTIVITY	BOSTON	402	195	1690	1885	1982	14	RESERVE COMPONENT TNG-DLA SUP
		EDWARDS, CAMP NG	BOURNE	205	2	54	56	2735	10889	RESERVE COMPONENT TRAINING (I)
		USA NATICK RSCH & DEV CTR	NATICK	306	190	1258	1448	1467	81	R&D ACTIVITIES
		USA MAT & MECH RESEARCH CTR	WATERTOWN	306	16	664	680	681	48	R&D ACTIVITIES
MICHIGAN										
		CUSTER RC TNG AREA	BATTLE CREEK	205	1	8	9	1067	7572	RC TNG
		PONTIAC STORAGE FACILITY	PONTIAC	507	*	*	*	6	31	STORAGE
		DETROIT ARSENAL	WARREN	306	270	5942	6212	6524	261	R&D, PRODUCTION-TANKS
		DETROIT ARSENAL TANK PLANT	WARREN	507	3	97	100	2549	80	PRODUCTION-TANKS (C)
MINNESOTA										
		TWIN CITIES ARMY AMMO PLANT	NEW BRIGHTON	507	9	75	84	2554	2389	PRODUCTION-MISC AMMO (C) (I)
MISSISSIPPI										
		MCCAIN, CAMP NG	GRENADA	205	3	14	17	351	3006	ARMY NATIONAL GUARD ACTIVITIES
		MISSISSIPPI ARMY AMMO PLANT	PICAYUNNE	507	2	39	41	1305	7152	PRODUCTION-STORAGE-AMMO(C)(I)
MISSOURI										
		LAKE CITY ARMY AMMUNITION PLT	INDEPENDENCE	507	2	71	73	2937	3909	PRODUCTION-SMALL ARMS AMMO (C)
		WOOD, FORT LEONARD	JEFFERSON CITY	508	13754	2258	16012	19177	62911	US ARMY TRAINING CENTER
		GATEWAY ARMY AMMUNITION PLANT	ST LOUIS	507	*	*	*	*	18	PRODUCTION-PROJECTILES (C) (I)
		ST LOUIS ARMY AMMUNITION PLANT	ST LOUIS	507	30	403	433	465	26	PRODUCTION-PROJECTILES (C)(I)

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		CAMPBELL, FORT	CLARKSVILLE, TN	202	22876	3218	26094	26495	105397	101ST AIRBORNE DIVISION
		LEX BLUEGRASS ARMY DEPOT ACT	LEXINGTON	507	62	1347	1409	1697	780	LOGISTICS DEPOT
		KNOX, FORT	LOUISVILLE	508	18634	4635	23269	28542	109220	US ARMY TRAINING CENTER
		BLUEGRASS ARMY DEPOT ACTIVITY	RICHMOND	507	99	492	591	776	14596	AMMUNITION DEPOT
LOUISIANA										
		POLK, FORT	LEESVILLE	202	12328	2302	14630	17438	198325	5TH INFANTRY DIV (MECH) (-)
		LOUISIANA ARMY AMMUNITION PLT	SHREVEPORT	507	2	41	43	1429	14974	PRODUCTION-PROJECTILES (C)
MARYLAND										
		ABERDEEN PROVING GROUND	ABERDEEN	306	5484	8468	13952	15026	72518	R&D TEST CTR, ORDNANCE SCH&CTR
		HARRY DIAMOND LABORATORIES	ADELPHI	306	26	1392	1418	1444	137	R&D ACTIVITIES
		HARRY DIAMOND LABS TEST AREA	ADELPHI	306	*	5	5	5	1600	TEST SITE
		MEADE GEORGE G, FORT	BALTIMORE	402	7637	18469	26106	27822	13457	HEADQUARTERS & ADMIN, NSA
		DMA HYDRO/TOPOGRAPHIC CTR	BROOKMONT	507	53	3141	3194	3194	40	PROD OF MAPS & CHARTS (DMA)
		RITCHIE, FORT	CASCADE	103	1276	1098	2374	2374	638	COMMUNICATIONS
		REED, WALTER MED CTR ANNEX	FOREST GLEN	508	183	512	695	761	182	HEALTH CARE
		DETRICK, FORT	FREDERICK	306	908	1217	2125	2276	1151	R&D ACTIVITIES
		REED, WALTER MED CTR, GLENHAVEN	WASHINGTON, D.C.	508	*	*	*	*	20	HOUSING
MASSACHUSETTS										
		DEVENS, FORT	AYER	508	6405	1832	8237	10952	9380	INTELLIGENCE TRAINING

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		JOLIET ARMY AMMO PLT KANKAKEE	JOLIET	507	*	*	*	*	9158	AMMUNITION PLANT (C)(I)
		ROCK ISLAND ARSENAL	ROCK ISLAND	507	402	8813	9215	10316	907	R&D, PRODUCTION-TANK COMPONENTS
		SAVANNA ARMY DEPOT ACTIVITY	SAVANNA	507	4	564	568	604	13062	LOGISTICS DEPOT
INDIANA		INDIANA ARMY AMMUNITION PLANT	CHARLESTOWN	507	48	73	121	1964	12206	PRODUCTION-PROPELLANTS (C)
		ATTERBURY RESERVE TNG AREA	EDINBURG	205	12	39	51	3249	33467	RESERVE COMPONENT TRAINING
		HARRISON, FT BENJAMIN	INDIANAPOLIS	508	4596	1009	5605	5614	2501	US ARMY INST OF PERSONNEL MGT
		JEFFERSON PROVING GROUND	MADISON	306	69	427	496	499	55264	R&D AMMO TEST CENTER
		NEWPORT ARMY AMMUNITION PLANT	NEWPORT	507	14	7	21	302	8322	PRODUCTION-CHEMICAL (C) (I)
IOWA		DES MOINES, FORT	DES MOINES	205	*	*	*	*	94	RESERVE COMPONENT TRAINING (I)
		IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	507	2	51	53	2566	19124	PRODUCTION-PROJECTILES (C)
KANSAS		DEFENSE IND PLT EQUIPMENT FAC	ATCHISON	507	*	*	*	25	125	STORAGE-IND. EQUIPMENT (DLA)
		SUNFLOWER ARMY AMMUNITION PLT	DESOTO	507	1	25	26	755	9544	PRODUCTION-PROPELLANTS (C) (I)
		RILEY, FORT	JUNCTION CITY	202	16397	2543	18940	22677	100979	1ST INFANTRY DIV (MECH) (-)
		LEAVENWORTH, FORT	LEAVENWORTH	508	4939	1665	6604	6958	6995	CMD & GENERAL STAFF COLLEGE
		KANSAS ARMY AMMUNITION PLANT	PARSONS	507	2	37	39	879	13838	PRODUCTION-MISC AMMO (C)

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	POHAKULOA TRAINING AREA	HILO	202	82	30	112	498	109993	DIVISION TRAINING
	ALIAMANU MILITARY RESERVATION	HONOLULU	402	3	2	5	11	529	HOUSING
	DERUSSY, FORT	HONOLULU	205	64	58	122	596	73	ARMY RESERVE HQ
	KAMEHAMEHA, FORT	HONOLULU	402	14	*	14	14	506	HOUSING
	KAPALAMA MILITARY RESERVATION	HONOLULU	204	13	194	207	211	133	STORAGE
	RUGER, FORT	HONOLULU	205	8	*	8	13	29	ARMY NATIONAL GUARD HQ
	SCHOFIELD BARRACKS MIL RES	HONOLULU	202	12499	959	13458	14054	13777	25TH INFANTRY DIVISION (-)
	SHAFTER, FORT	HONOLULU	402	1000	1941	2941	3027	170	HEADQUARTERS & ADMIN
	TRIPLER ARMY MEDICAL CENTER	HONOLULU	508	1390	995	2385	2410	367	HEALTH CARE
	DEFENSE COMMUNICATIONS CENTER	KUMA	303	*	*	*	*	90	COMMUNICATIONS
	DILLINGHAM MILITARY RES	WAHIAWA	202	*	*	*	*	938	TRAINING
	HELEMANO RADIO STATION	WAHIAWA	303	693	*	693	703	281	COMMUNICATIONS
	KAHUKU TNG AREA	WAHIAWA	202	*	*	*	4	9531	TRAINING
	KIPAPA AMMO STORAGE SITE	WAHIAWA	507	*	*	*	3	659	AMMUNITION STORAGE
	KUNIA FILED STATION	WAHIAWA	303	886	19	905	941	89	COMMUNICATIONS
	MAKUA MILITARY RESERVATION	WAIANAE	202	*	*	*	*	5284	TRAINING
ILLINOIS									
	ST LOUIS AREA SUPPORT CTR	GRANITE CITY	402	42	168	210	413	895	COMMUNITY SUPPORT
	SHERIDAN, FORT	HIGHLAND PARK	508	2285	2435	4720	5027	695	RECRUITING COMMAND HQ
	JOLIET ARMY AMMO PLT ELWOOD	JOLIET	507	45	10	55	417	14385	PRODUCTION-MISC AMMO (C) (1)

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		FITZSIMONS ARMY MEDICAL CENTER	AURORA	508	2835	2397	5232	5487	577	HEALTH CARE
		CARSON, FORT	COLORADO SPRGS	202	18612	2558	21170	22271	137391	4TH INFANTRY DIVISION (MECH)
		ROCKY MOUNTAIN ARSENAL	COMMERCE CITY	507	26	375	401	807	17228	PRODUCTION-CHEMICAL
		PUEBLO ARMY DEPOT ACTIVITY	PUEBLO	507	4	761	765	770	22654	LOGISTICS DEPOT
CONNECTICUT		STRATFORD ARMY ENGINE PLANT	STRATFORD	507	3	84	87	4417	115	PRODUCTION-ENGINES (C)
DIST OF COLUMBIA		MCNAIR, FORT LESLIE J.	WASHINGTON	508	1052	417	1469	1512	89	NATIONAL DEFENSE UNIVERSITY
		WALTER REED ARMY MEDICAL CTR	WASHINGTON	508	4122	3608	7730	7943	113	HEALTH CARE
GEORGIA		MCPHERSON, FORT	ATLANTA	402	2496	3933	6429	6727	505	FORSCOM HQ
		GORDON, FORT	AUGUSTA	508	7422	3584	11006	13357	55588	SIGNAL CENTER & SCHOOL
		CATOOSA RIFLE RANGE	CHATTANOOGA, TN	205	*	1	1	162	1828	ARMY NATIONAL GUARD ACTIVITIES
		BENNING, FORT	COLUMBUS	508	14466	4655	19121	22594	169285	THE INFANTRY CENTER & SCHOOL
		GILLEM, FORT	FOREST PARK	402	446	640	1086	1166	1507	SECOND ARMY HQ
		BENNING, FORT TRAINING AREA	GAINESVILLE	202	*	*	*	*	87	TRAINING
		STEWART, FORT	HINESVILLE	202	13699	2186	15885	28913	284369	24TH INFANTRY DIV (MECH) (-)
		HUNTER ARMY AIRFIELD	SAVANNAH	202	3533	490	4023	4065	5651	24TH INFANTRY DIVISION TNG
HAWAII										

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ARKANSAS									
	CHAFFEE, FORT	FORT SMITH	205	24	215	239	4718	72337	RC & ACTIVE ARMY TNG (1)
	PINE BLUFF ARSENAL	PINE BLUFF	507	105	1230	1335	1507	14939	PRODUCTION
CALIFORNIA									
	IRWIN, FORT	BARSTOW	202	3398	487	3885	5316	636457	NATIONAL TRAINING CENTER
	SIERRA ARMY DEPOT	HERLONG	507	354	613	967	1066	36313	LOGISTICS DEPOT
	HUNTER LIGGETT, FORT	JOLON	202	814	128	942	2206	164836	DIV TNG-CDEC EXPERIMENTATION
	AFRC, LOS ALAMITOS	LOS ALAMITOS	205	129	443	572	1907	1287	RESERVE COMPONENT TRAINING
	MONTEREY, PRESIDIO OF	MONTEREY	508	2777	1101	3878	3932	392	DEFENSE LANGUAGE SCHOOL
	OAKLAND ARMY BASE	OAKLAND	204	172	1132	1304	1549	559	HARBOR & PORT
	ROBERTS, CAMP ANNEX	PASO ROBLES	205	x	x	x	x	22	COMMUNICATIONS
	RIVERBANK ARMY AMMUNITION PLT	RIVERBANK	507	x	9	9	264	172	PRODUCTION-PROJECTILES (C)
	SACRAMENTO ARMY DEPOT	SACRAMENTO	507	74	3378	3452	3714	485	LOGISTICS DEPOT
	SAN FRANCISCO, PRESIDIO OF	SAN FRANCISCO	402	2975	2932	5907	5907	177	HQ&ADMIN/LETTERMN ARMY MED CTR
	ROBERTS, CAMP	SAN MIGUEL	205	82	181	263	574	42361	RC & ACTIVE ARMY TNG (1)
	ORD, FORT	SEASIDE	202	16450	2530	18980	20714	28016	7TH INFANTRY DIVISION (MECH)(-)
	SHARPE ARMY DEPOT	STOCKTON	507	64	1421	1485	1649	724	LOGISTICS DEPOT
	DEFENSE DEPOT, TRACY	TRACY	507	30	1691	1721	1721	448	LOGISTICS DEPOT (DLA)
COLORADO									

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	COOSA RIVER STORAGE ANNEX	TALLEDEGA	507	*	*	*	*	2834	STORAGE
ALASKA									
	EKLUTNA DISPERSAL SITE	ANCHORAGE	202	*	*	*	*	500	DISPERSAL SITE
	EKLUTNA MOUNTAIN GLACIER SITE	ANCHORAGE	202	*	*	*	*	69	TRAINING
	GULKANA ARMY SITE	ANCHORAGE	202	*	*	*	*	44	TRAINING
	RICHARDSON, FORT	ANCHORAGE	202	4582	2467	7049	7156	61467	172ND INFANTRY BRIGADE
	BLACK RAPIDS TNG SITE	FAIRBANKS	202	*	*	*	*	2782	TRAINING
	CLEARWATER LAKE TNG SITE	FAIRBANKS	202	*	*	*	*	110	TRAINING
	FAIRBANKS PERMAFROST STA	FAIRBANKS	306	*	*	*	*	744	TEST SITE
	GERSTLE RIVER ARCTIC TEST SITE	FAIRBANKS	306	*	*	*	*	19127	TEST SITE
	GREELY, FORT	FAIRBANKS	202	747	247	994	1048	639085	R&D TEST CENTER(ARTIC TNG CTR)
	WAINWRIGHT, FORT	FAIRBANKS	202	2677	535	3212	3417	656250	172ND INFANTRY BRIGADE
	YUKON COMMAND TNG SITE	FAIRBANKS	202	*	*	*	*	287257	TRAINING
ARIZONA									
	NAVAJO ARMY DEPOT ACTIVITY	FLAGSTAFF	507	65	121	186	187	20205	STORAGE
	GILA BEND AREA	GILA BEND	303	*	*	*	*	5549	RD&E ACTIVITIES
	HUACHUCA, FORT	SIERRA VISTA	303	5165	4149	9314	10172	73517	COMM CMD& INTELLIGENCE SCH
	WILCOX AREA	WILCOX	303	*	*	*	*	28968	T & E ACTIVITIES
	YUMA PROVING GROUND	YUMA	306	402	736	1138	1396	1010966	R & D TEST CENTER

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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ALABAMA	Army	ANNISTON ARMY DEPOT	ANNISTON	507	66	4787	4853	4937	15246	LOGISTICS DEPOT
		MCCLELLAN, FORT	ANNISTON	508	11098	1715	12813	15851	41839	MIL POLICE SCHOOL & TNG CTR
		LOUISVILLE RW STAGEFIELD	BRUNDIOE	508	*	*	*	*	104	HELICOPTER STAGE FIELD
		ALABAMA ARMY AMMO PLT	CHILDERSBURG	507	*	3	3	3	5067	AMMUNITION PLANT
		CAIRNS AAF	DALEVILLE	508	*	*	*	*	1297	HELICOPTER STAGE FIELD
		RUCKER, FORT	DALEVILLE	508	4790	3268	8058	12176	61073	AVIATION CENTER & SCHOOL
		ALLEN FIELD	DOOTHAN	508	*	*	*	*	114	HELICOPTER STAGE FIELD
		TOTH FIELD	DOOTHAN	508	*	*	*	*	128	TRAINING
		RUNKLE TACTICAL SITE	ELBA	508	*	*	*	*	235	TRAINING
		SKELLY FIELD	ELBA	508	*	*	*	*	133	HELICOPTER STAGE FIELD
		SHELL ARMY HELIPORT	ENTERPRISE	508	*	*	*	*	292	HELICOPTER STAGE FIELD
		HIGH FALLS	GENEVA	508	*	*	*	*	40	HELICOPTER STAGE FIELD
		HIGH BLUFF	HARTFORD	508	*	*	*	*	96	HELICOPTER STAGE FIELD
		REDSTONE ARSENAL	HUNTSVILLE	308	3802	10288	14090	14840	38413	ROCKET&GUIDED MSL, R&D, SCH&CTR
		GOLDBERG FIELD	MIDLAND CITY	508	*	*	*	*	101	HELICOPTER STAGE FIELD
		PHOSPHATE DEVELOPMENT WORKS	MUSCLE SHOALS	507	*	*	*	*	67	PRODUCTION-CHEMICAL (C) (1)
		HUNT FIELD	OZARK	508	*	*	*	*	154	HELICOPTER STAGE FIELD
		TACTICAL SITE X	SAMSON	508	*	*	*	*	189	TRAINING

TABLE VIII

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
INTELLIGENCE AND COMMUNICATIONS (103)	1			1
GENERAL PURPOSE (202)	30		211	241
AIRLIFT/SEALIFT FORCES (204)	4		4	8
GUARD AND RESERVE (205)	27	2		29
INTELLIGENCE AND COMMUNICATIONS (303)	7		2	9
RESEARCH AND DEVELOPMENT (306)	23	1		24
GENERAL PURPOSE (402)	10		7	17
CENTRAL SUPPLY AND MAINTENANCE (507)	60		8	68
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	45			45
	207	3	232	442
TOTAL ARMY				

Note: Summary excludes 9 DoD Agency installations in the 50 States which are included in the Army list.

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State	Military Service	Name of Installation	City	IDPPG	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		STORY, FORT	VIRGINIA BEACH	202	1535	120	1655	1993	1451	AMPHIB & RC TRAINING (1)
		VINT HILL FARMS STATION	WARRENTON	303	588	799	1387	1563	707	COMM & INTELLIGENCE ACT
		HARRY DIAMOND LABS. WOODBRIDGE	WOODBRIDGE	306	1	92	93	93	579	RESEARCH & DEVELOPMENT
WASHINGTON										
		LEWIS, FORT	TACOMA	202	24906	4306	29212	33956	86451	9TH INFANTRY DIVISION
		VANCOUVER BARRAC'S	VANCOUVER	205	12	7	19	248	62	RESERVE COMPONENT TRAINING
		YAKIMA FIRING CENTER	YAKIMA	202	101	146	247	1793	261452	DIVISION TRAINING
WISCONSIN										
		BADGER ARMY AMMUNITION PLANT	BARABOO	507	*	14	14	344	7441	PRODUCTION-EXPLOSIVES (C) (1)
		MCCOY, FORT	SPARTA	205	172	968	1140	8375	59779	RC & ACTIVE ARMY TNG (1)

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State Military Service	Name of Installation	City	IDPPC	MIL.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ARMY									
PUERTO RICO									
	SANTIAGO, CAMP NG	SALINAS	205	2	39	41	911	11431	ARMY NATIONAL GUARD TNG (1)
	BUCHANAN, FORT	SAN JUAN	205	*	*	*	*	828	RESERVE COMPONENT TRAINING
TRUST TERR OF PAC ISL									
	KWAJALEIN MISSILE RANGE	KWAJALEIN	306	*	*	*	*	3568	NATIONAL TEST RANGE

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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot. Pers.	Total Acreage	Major Unit-Activity-Function
Army	US Army Base, 7th Army Tng Cmd US Army Base, 7th Army Tng Cmd	* CHIEVRES AIR BASE	ATH	402	121	*	121	121	1009 NATO SHAPE SUPPORT GROUP
				GERMANY, FEDERAL REP OF					
		POND BARRACKS	AMBERG	202	5579	3560	9139	9139	* 7TH ARMY TRAINING COMMAND
				202	1268	*	1268	1268	42 2ND ARMORED CAVALRY REGIMENT
		SCHEMM KASERNE	BAYREUTH	202	2	*	2	2	7 2ND ARMORED CAVALRY REGIMENT
		CHRISTENSEN BARRACKS	BINDLACH	202	1025	*	1025	1025	410 2ND ARMORED CAVALRY REGIMENT
		EAST CAMP GRAFENWOHR	GRAFENWOHR	202	1675	*	1675	1675	1898 3RD BGE 1ST ARMORED DIVISION
		HOHENFELS TRAINING AREA	HOHENFELS	202	638	*	638	638	40012 7TH ARMY TRAINING COMMAND
		PIONEER KASERNE	REGENSBURG	202	189	*	189	189	94 32ND AIR DEFENSE COMMAND
		SOUTH CAMP VILSECK	VILSECK	202	694	*	694	694	1039 7TH ARMY TRAINING COMMAND
	US Army Base, Ansbach US Army Base, Ansbach	BARTON BARRACKS	ANSBACH	202	7487	1375	8862	8862	* 1ST ARMORED DIVISION
				202	837	*	837	837	35 1ST ARMORED DIVISION
		BLEIDORN KASERNE	ANSBACH	202	804	*	604	604	16 VII CORPS ARTILLERY

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	HINDENBURG KASERNE		ANSBACH	202	926	*	926	926	30	1ST ARMORED DIVISION
	KATTERBACH KASERNE		ANSBACH	202	1972	*	1972	1972	395	1ST ARMORED DIVISION
	MCKEE BARRACKS		CRAILSHEIM	202	727	*	727	727	192	1ST ARMORED DIVISION
	STORCK BARRACKS		ILLESHEIM	202	2107	*	2107	2107	440	1ST ARMORED DIVISION
US Army Base, Aschaffenburg	US Army Base, Aschaffenburg		*	202	4760	830	5590	5590	*	3RD INFANTRY DIVISION (MECH)
	FIORI BARRACKS		ASCHAFFENBURG	202	1912	*	1912	1912	37	3RD INFANTRY DIVISION (MECH)
	GRAVES BARRACKS		ASCHAFFENBURG	202	1000	*	1000	1000	47	3RD INFANTRY DIVISION (MECH)
	JAEGER BARRACKS		ASCHAFFENBURG	202	236	*	236	236	17	18TH ENGINEER BRIGADE
	READY BARRACKS		ASCHAFFENBURG	202	870	*	870	870	28	3RD INFANTRY DIVISION (MECH)
	SMITH BARRACKS		ASCHAFFENBURG	202	713	*	713	713	15	9TH ENGINEER BATTALION
US Army Base, Augsburg	US Army Base, Augsburg		*	202	4314	1550	5864	5864	*	VII CORPS ARTILLERY
	FLAK KASERNE		AUGSBURG	202	1216	*	1216	1216	72	US ARMY MEDICAL CMD
	GABLINGEN KASERNE		AUGSBURG	202	14	*	14	14	359	USAINSCOM FIELD STATION
	REESE BARRACKS		AUGSBURG	202	1107	*	1107	1107	97	VII CORPS ARTILLERY
	SHERIDAN KASERNE		AUGSBURG	202	1593	*	1593	1593	188	3RD INFANTRY DIVISION (MECH)

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Bad Kreuznach US Army Base, Bad Kreuznach		*	202	3909	1100	5009	5009	*	8TH INFANTRY DIVISION (MECH)
BAD KREUZNACH HOSPITAL	BAD KREUZNACH		202	371	*	371	371		20 HEALTH CARE
MINICK KASERNE	BAD KREUZNACH		202	405	*	405	405		9 8TH INFANTRY DIVISION (MECH)
ROSE BARRACKS	BAD KREUZNACH		202	1757	*	1757	1757		138 8TH INFANTRY DIVISION (MECH)
ANDERSON BARRACKS	DEXHEIM		202	908	*	908	908		116 8TH INFANTRY DIVISION (MECH)
DICHTELBACH MISSILE STATION	DICHTELBACH		202	3	*	3	3		62 32ND AIR DEFENSE COMMAND
WUESCHHEIM MISSILE STATION	WUESCHHEIM		202	135	*	135	135		39 32ND AIR DEFENSE COMMAND
US Army Base, Bad Toelz US Army Base, Bad Toelz		*	202	391	400	791	791	*	US ARMY SPECIAL FORCES
FLINT KASERNE	BAD TOELZ		202	391	*	391	391		137 US ARMY SPECIAL FORCES
US Army Base, Bamberg US Army Base, Bamberg		*	202	7111	880	7991	7991	*	1ST ARMORED DIVISION
BAMBERG STORAGE AND RANGE AREA	BAMBERG		202	220	*	220	220		431 1ST ARMORED DIVISION
WARNER BARRACKS	BAMBERG		202	7067	*	7067	7067		226 1ST ARMORED DIVISION
HARRIS BARRACKS	COBURG		202	34	*	34	34		8 2ND ARMORED CAVALRY REGIMENT

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State Military Service	Name of Installation	City	IDPPC	MIL	Civ.	Tot.	Total Pers.	Total Acres	Major Unit-Activity-Function
US Army Base, Baumholder		*	202	9486	2450	11936	11936	*	8TH INFANTRY DIVISION (MECH)
US Army Base, Baumholder	BAUMHOLDER HOSPITAL	BAUMHOLDER	202	63	*	63	63		13 HEALTH CARE
	SMITH BARRACKS	BAUMHOLDER	202	6161	*	6161	6161		1025 8TH INFANTRY DIVISION (MECH)
	WETZEL KASERNE	BAUMHOLDER	202	11	*	11	11		207 3RD SUPPORT COMMAND
	HISEL MISSILE STATION	HISEL	202	151	*	151	151		40 32ND AIR DEFENSE COMMAND
	NEUBRUECKE HOSPITAL	HOPSTAEDTEN	202	481	*	481	481		109 HEALTH CARE
	NAHBOLLENBACH STORAGE AREA	IDAR OBERSTEIN	202	48	*	48	48		97 LOGISTICS DEPOT
	STRASSBURG KASERNE	IDAR OBERSTEIN	202	722	*	722	722		41 8TH INFANTRY DIVISION (MECH)
US Army Base, Berlin		*	202	3803	4170	7973	7973	*	BERLIN BRIGADE
US Army Base, Berlin	ANDREWS BARRACKS	BERLIN	202	8	*	8	8		109 BERLIN BRIGADE
	BERLIN HOSPITAL	BERLIN	202	170	*	170	170		13 HEALTH CARE
	MCMAN AIR BARRACKS	BERLIN	202	2400	*	2400	2400		69 BERLIN BRIGADE
	ROOSEVELT BARRACKS	BERLIN	202	45	*	45	45		15 US ARMY LABOR SERVICE AGENCY
	TURNER BARRACKS	BERLIN	202	160	*	160	160		7 BERLIN BRIGADE

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Darmstadt		*	202	5910	1300	7210	7210	*	32ND AIR DEFENSE COMMAND
US Army Base, Darmstadt									
BABENHAUSEN KASERNE	BABENHAUSEN		202	1232	*	1232	1232		365 V CORPS ARTILLERY
CAMBRAI FRITSCH KASERNE	DARMSTADT		202	1815	*	1815	1815		64 7TH SIGNAL BRIGADE
ERNST LUDWIG KASERNE	DARMSTADT		202	1190	*	1190	1190		55 18TH ENGINEER BRIGADE
GRIESHEIM MISSILE FACILITY	DARMSTADT		202	30	*	30	30		28 32ND AIR DEFENSE COMMAND
KELLEY BARRACKS	DARMSTADT		202	1106	*	1106	1106		117 130TH ENGINEER BRIGADE
MUENSTER AMMO DEPOT	MUENSTER		202	406	*	406	406		1901 LOGISTICS DEPOT
OBER RAMSTADT MAINTENANCE PLT	OBER RAMSTADT		202	6	*	6	6		21 WHEELED VEHICLE REPAIR
US Army Base, Frankfurt		*	202	9690	5950	15640	15640	*	HQ, V CORPS
US Army Base, Frankfurt									
CAMP ESCHBORN	ESCHBORN		202	706	*	706	706		185 130TH ENGINEER BRIGADE
DRAKE BARRACKS	FRANKFURT		202	1068	*	1068	1068		35 3RD ARMORED DIVISION
EDWARDS BARRACKS	FRANKFURT		202	1002	*	1002	1002		23 3RD ARMORED DIVISION
FRANKFURT AREA HQ	FRANKFURT		202	430	*	430	430		84 V CORPS HQ
FRANKFURT HOSPITAL	FRANKFURT		202	345	*	345	345		25 HEALTH CARE
GIBBS BARRACKS	FRANKFURT		202	1792	*	1792	1792		24 V CORPS MILITARY POLICE
MCNAIR BARRACKS	FRANKFURT		202	1155	*	1155	1155		6 V CORPS SIGNAL

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	MICHAEL BARRACKS	FRANKFURT	202	408	*	408	408		28 V CORPS (3RD SUPPORT COMMAND)
	CAMP KING	OBERSSEL	202	419	*	419	419		39 4TH TRANSPORTATION BRIGADE
US Army Base, Fulda	US Army Base, Fulda	*	202	4415	950	5365	5365	*	11TH ARMORED CAVALRY REGIMENT
MCPHEETERS BARRACKS	BAD HERSFELD		202	1232	*	1232	1232		46 11TH ARMORED CAVALRY REGIMENT
OWNS BARRACKS	FULDA		202	2110	*	2110	2110		117 11TH ARMORED CAVALRY REGIMENT
US Army Base, Garmisch	US Army Base, Garmisch	*	202	153	200	353	353	*	US ARMED FORCES REC CTR
SHERIDAN BARRACKS	GARMISCH		202	95	*	95	95		26 US ARMED FORCES REC CTR
US Army Base, Giesse	US Army Base, Giesse	*	202	12956	2300	15256	15256	*	42ND FIELD ARTILLERY
SCHLOSS KASERNE	BUTZBACH		202	1019	*	1019	1019		33 3RD ARMORED DIVISION
RAY BARRACKS	FRIEDBURG		202	2981	*	2981	2981		167 3RD ARMORED DIVISION
GIESSEN GENERAL DEPOT	GIESSEN		202	1640	*	1640	1640		570 LOGISTICS DEPOT
PENDLETON BARRACKS	GIESSEN		202	900	*	900	900		36 3RD SUPPORT COMMAND
RIVERS BARRACKS	GIESSEN		202	1070	*	1070	1070		45 V CORPS ARTILLERY
AYERS KASERNE	KIRCHGOENS		202	3296	*	3296	3296		261 3RD ARMORED DIVISION

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US Army Base, Goeppingen	US Army Base, Goeppingen	*	202	4144	250	4394	4394	*	1ST INFANTRY DIVISION (FWD)
COOKE BARRACKS		Goeppingen	202	1480	*	1480	1480	317	1ST INFANTRY DIVISION (FWD)
BISMARCK KASERNE		SCHWAEBISCH-GMU	202	981	*	981	981	17	56TH FIELD ARTILLERY BRIGADE
HARDT KASERNE		SCHWAEBISCH-GMU	202	876	*	876	876	29	56TH FIELD ARTILLERY BRIGADE
US Army Base, Hanau	US Army Base, Hanau	*	202	13733	2210	15943	15943	*	3RD ARMORED DIVISION
ARMSTRONG BARRACKS		BUEDINGEN	202	760	*	760	760	46	3RD ARMORED DIVISION
COLEMAN BARRACKS		GELNHAUSEN	202	2424	*	2424	2424	80	3RD ARMORED DIVISION
GROSSAUHEIM KASERNE		GROSSAUHEIM	202	292	*	292	292	213	3RD SUPPORT COMMAND
ARGONNER KASERNE		HANAU	202	490	*	490	490	51	3RD ARMORED DIVISION
FLIEGERHORST AIRFIELD KAS.		HANAU	202	3175	*	3175	3175	612	V CORPS ARTILLERY & AVIATION
FRANCOIS KASERNE		HANAU	202	665	*	665	665	22	3RD ARMORED DIVISION
HESSEN-HOMBURG KASERNE		HANAU	202	1352	*	1352	1352	17	3RD ARMORED DIVISION
HUTIER KASERNE		HANAU	202	950	*	950	950	33	3RD ARMORED DIVISION
PIONEER KASERNE		HANAU	202	3142	*	3142	3142	94	130TH ENGINEER BRIGADE
YORKHOF KASERNE		HANAU	202	2	*	2	2	3	USAREUR LABOR SERVICE

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US Army Base, Heidelberg		*	202	4971	3495	8466	8466	*	HEADQUARTERS, USAREUR
US Army Base, Heidelberg									
CAMPBELL BARRACKS	HEIDELBERG		202	1881	*	1881	1881	41	HEADQUARTERS, USAREUR
HEIDELBERG AIRFIELD	HEIDELBERG		202	157	*	157	157	45	HQ USAREUR (AVIATION)
HEIDELBERG HOSPITAL	HEIDELBERG		202	552	*	552	552	23	HEALTH CARE
PATTON BARRACKS	HEIDELBERG		202	945	*	945	945	37	HQ USAREUR (SPECIAL TROOPS)
KILBOURNE KASERNE	SCHWETZINGEN		202	541	*	541	541	11	US MILITARY PERSONNEL CENTER
TOMPKINS BARRACKS	SCHWETZINGEN		202	1257	*	1257	1257	88	USAREUR MAP DEPOT
US Army Base, Heilbronn		*	202	4699	785	5484	5484	*	237TH ENGINEER BATTALION
US Army Base, Heilbronn									
DALLAU TACTICAL DEFENSE STA	DALLAU		202	85	*	85	85	43	32ND AIR DEFENSE COMMAND
BADENERHOF KASERNE	HEILBRONN		202	717	*	717	717	25	56TH ARTILLERY BRIGADE
WHARTON BARRACKS	HEILBRONN		202	2004	*	2004	2004	58	7TH SIGNAL BRIGADE
ARTILLERY KASERNE	NECKARSULM		202	988	*	988	988	23	56TH ARTILLERY BRIGADE
DOLAN BARRACKS	SCHWAEBISCH HAL		202	499	*	499	499	395	LOGISTICS DEPOT
SIEGELSBACH AMMO FACILITY	SIEGELSBACH		202	425	*	425	425	426	LOGISTICS DEPOT

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US Army Base, Kaiserslautern		*	202	4709	5300	10009	10009	*	HQ, 21ST SUPPORT COMMAND
US Army Base, Kaiserslautern									
DAENNER KASERNE	KAISERSLAUTERN		202	937	*	937	937	20	HQ, KAISERSLAUTERN ARMY DEPOT
KAISERSLAUTERN ARMY DEPOT	KAISERSLAUTERN		202	200	*	200	200	1277	LOGISTICS DEPOT
KLEBER KASERNE	KAISERSLAUTERN		202	2059	*	2059	2059	105	21ST SUPPORT COMMAND
PANZER KASERNE	KAISERSLAUTERN		202	532	*	532	532	9	HQ 21ST SUPPORT COMMAND
PULASKI BARRACKS	KAISERSLAUTERN		202	53	*	53	53	145	US ARMY LABOR SERVICE AGENCY
RHINE ORDNANCE BARRACKS	KAISERSLAUTERN		202	763	*	763	763	3679	US ARMY COMBAT EQUIP GROUP
LANDSTUHL HOSPITAL	LANDSTUHL		202	1252	*	1252	1252	168	HEALTH CARE
US Army Base, Karlsruhe		*	202	5185	2710	7895	7895	*	18TH ENGINEER BRIGADE
US Army Base, Karlsruhe									
RHEINLAND KASERNE	ETTLINGEN		202	685	*	685	685	33	18TH ENGINEER BRIGADE
GERMERSHEIM ARMY DEPOT	GERMERSHEIM		202	312	*	312	312	448	LOGISTICS DEPOT
GRSZEWSKI BARRACKS	KARLSRUHE		202	1864	*	1864	1864	241	18TH ENGINEER BRIGADE
NEUREUT KASERNE	KARLSRUHE		202	981	*	981	981	146	18TH ENGINEER BRIGADE
SMILEY BARRACKS	KARLSRUHE		202	557	*	557	557	226	18TH ENGINEER BRIGADE

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreeage	Major Unit-Activity-Function
US Army Base, Mainz		*	202	5102	4870	9972	9972	*	8TH INFANTRY DIVISION (MECH)
US Army Base, Mainz									
FINTHEN AIRFIELD	FINTHEN		202	949	*	949	949		455 V CORPS AVIATION
DRAGONER KASERNE	MAINZ		202	99	*	99	99		5 8TH INFANTRY DIVISION
LEE BARRACKS	MAINZ		202	2855	*	2855	2855		80 8TH INFANTRY DIVISION (MECH)
MAINZ ARMY DEPOT	MAINZ		202	2700	*	2700	2700		56 TRACK VEHICLE REPAIR
MCCULLY BARRACKS	WACKERNHEIM		202	906	*	906	906		77 8TH INFANTRY DIVISION (MECH)
US Army Base, Mannheim		*	202	8286	2200	10486	10486	*	8TH INFANTRY DIVISION (MECH)
US Army Base, Mannheim									
COLEMAN BARRACKS	MANNHEIM		202	4476	*	4476	4476		580 7TH SIGNAL BRIGADE HQ
FUNARI BARRACKS	MANNHEIM		202	340	*	340	340		26 US ARMY COMBAT EQUIP GROUP
GENDARMERIE KASERNE	MANNHEIM		202	1	*	1	1		20 US ARMY LABOR SERVICE AGENCY
SPINELLI BARRACKS	MANNHEIM		202	1174	*	1174	1174		200 4TH TRANSPORTATION BRIGADE
SULLIVAN BARRACKS	MANNHEIM		202	655	*	655	655		108 8TH INFANTRY DIVISION (MECH)
TAYLOR BARRACKS	MANNHEIM		202	835	*	835	835		114 US ARMY MILITARY COMMUNITY
TURLEY BARRACKS	MANNHEIM		202	659	*	659	659		33 3RD SUPPORT COMMAND

ARMY BASE STRUCTURE

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Munich									
US Army Base, Munich		*	202	1030	1405	2435	2435	*	66TH MILITARY INTELLIGENCE GP
BAD AIBLING KASERNE	BAD AIBLING		202	55	*	55	55		322 COMMUNICATIONS
MCGRAW KASERNE	MUNICH		202	924	*	924	924		113 3ARMY & AF EXCHANGE
US Army Base, Neu Ulm									
US Army Base, Neu Ulm		*	202	3784	400	4184	4184	*	1ST INFANTRY DIVISION (FWD)
NELSON BARRACKS	NEU ULM		202	325	*	325	325		38 59TH ORDNANCE BRIGADE
WILEY BARRACKS	NEU ULM		202	501	*	501	501		179 1ST INFANTRY DIVISION (FWD)
US Army Base, Norddeutschland									
US Army Base, Norddeutschland		*	202	7458	1880	9338	9338	*	2ND ARMORED DIVISION (FWD)
BREMERHAVEN HOSPITAL	BREMERHAVEN		202	250	*	250	250		9 HEALTH CARE
CARL SCHURZ KASERNE	BREMERHAVEN		202	1067	*	1067	1067		364 US ARMY SUPPORT GROUP
LUCIUS D. CLAY KASERNE	GARLSTADT		202	1	*	1	1		3500 2ND ARMORED DIVISION (FWD)
US Army Base, Nuernberg									
US Army Base, Nuernberg		*	202	14738	3150	17888	17888	*	1ST ARMORED DIVISION
FERRIS BARRACKS	ERLANGEN		202	2187	*	2187	2187		316 1ST ARMORED DIVISION
DARBY KASERNE	FUERTH		202	1726	*	1726	1726		99 1ST ARMORED DIVISION
JOHNSON BARRACKS	FUERTH		202	991	*	991	991		127 1ST ARMORED DIVISION

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Pirmasens US Army Base, Pirmasens	MONTIETH BARRACKS	FUERTH	202	1138	*	1138	1138	299	1ST ARMORED DIVISION
	HERZO BASE	HERZOGENAUACH	202	1125	*	1125	1125	316	VII CORPS ARTILLERY
	MERRELL BARRACKS	NUERNBERG	202	2713	*	2713	2713	43	2ND ARMORED CAVALRY REGIMENT
	NUERNBERG HOSPITAL	NUERNBERG	202	487	*	487	487	28	HEALTH CARE
	O'BRIEN BARRACKS	SCHWABACH	202	1603	*	1603	1603	54	1ST ARMORED DIVISION
	PINDER BARRACKS	ZIRNDORF	202	1731	*	1731	1731	61	1ST ARMORED DIVISION
US Army Base, Pirmasens US Army Base, Pirmasens	DAHN AMMO DEPOT	DAHN	202	150	*	150	150	98	LOGISTICS DEPOT
	FISCHBACH ORDNANCE DEPOT	FISCHBACH	202	521	*	521	521	167	LOGISTICS DEPOT
	MUENCHWEILER HOSPITAL	MUENCHWEILER	202	1050	*	1050	1050	11	HEALTH CARE
	HUSTERHOEH KASERNE	PIRMASENS	202	2595	*	2595	2595	72	59TH ORDNANCE GROUP
	PIRMASENS UG STORAGE AREA	PIRMASENS	202	420	*	420	420	6	LOGISTICS DEPOT
US Army Base, Rheinberg US Army Base, Rheinberg		*	202	1925	1320	3245	3245	*	11TH AVIATION GROUP
	Rheinberg	Rheinberg	202	510	*	510	510	960	*

TABLE IX

MAJOR DEFENSE PROGRAMS
NAVY BASE OPERATIONS
SUPPORT COSTS (\$MILLIONS)

MAJOR DEFENSE PROGRAMS	FIFTY STATES	U.S. TERRITORIES and POSSESSIONS	FOREIGN OVER- SEAS AREAS	TOTAL
Strategic (01)	112.5	-	-	112.5
General Purpose (02)	983.0	48.3	572.0	1,603.3
Intell. & Comm. (03)	64.4	19.8	47.6	131.8
Air/Sealift (04)	-	-	-	-
Guard & Reserve (05)	189.0	-	-	189.0
Research & Develop (06)	265.4	-	-	265.4
Cent. Supply & Maint. (07)	1,366.2	28.7	52.0	1,446.9
Trng. Med, & Other Personnel (08)	711.5	5.0	44.6	761.1
Admin. & Assoc. (09)	119.7	-	2.2	121.9
Spt. of Other Nations (10)	-	-	-	-
Subtotal	3,811.7	101.8	718.4	4,631.9
Construction	1,731.9	77.9	206.2	2,016.0
Family Housing Operations and Maintenance	302.1	76.4	109.9	488.4
Total	5,845.7	265.1	1,034.5	7,136.3

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1986

A summary of the estimated FY 1986 Base Operations Support Costs follows.

Under the Chief of Naval Material, the Navy's RDT&E Community is organized on a center of excellence concept under which each activity is responsible for a given technological area. Technology will have an ever increasing impact on the development of a balanced force structure. The accelerating rate of technological improvements impacts on the nature of the future threat as well as the capabilities of naval forces.

MISSION SUPPORT FORCES (400)

Navy amphibious task forces and Marine amphibious forces are a major, specialized element in the execution of the power projection function. All of these forces require a high degree of logistic support ranging from homeporting facilities for ships and aircraft to weapons, maintenance, and supply support. A broad range of fleet support requirements is provided by these installations. In addition, these activities provide logistic support to other DOD installations located in the same geographic area.

The Reserve Training Centers support the Ready Reserve Forces.

CENTRAL SUPPORT FORCES (500)

The Naval Medical Command, through a network of regional medical and dental centers, associated hospitals, and dispensaries, provides medical care in support of the fleet and to other qualified beneficiaries.

The Naval Education and Training Command is responsible for providing trained personnel to man and support the fleet. Included in this mission are recruit training, officer acquisition training, specialized skill training, flight training, and professional development education. Additional data is available in the Military Manpower Training Report.

Logistics activities such as inventory control points and construction battalion centers provide specialized support to the fleet.

INDIVIDUAL (600)

None.

III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

The function of the Navy's shore bases is to provide effective, economical support to the fleet. Variations in the structure, composition, or weaponry of the fleet affect the structure of shore bases as do technological advances or changes in training doctrine. Changes in deployment policy, political considerations in host countries, and resource availability are also included in the numerous factors affecting shore bases. In order to assess the impact of these variables, a continuing review of the structure and effectiveness of shore bases is required.

A brief discussion of the missions by Installation Defense Planning and Programming Category follows. A listing of the major activities within these categories is provided in Section VI.

STRATEGIC FORCES (100)

The Submarine Base, Bangor, Washington became fully operational on 1 July 1981. The Submarine Base, Kings Bay, Georgia is supporting a full squadron of submarines and is the site for an East Coast Trident Base which is due to be operational in FY 1989.

GENERAL PURPOSE FORCES (200)

The three primary functions of the Navy are sea control, power projection, and strategic sealift. The forces fulfilling these functions are submarines, carriers with their assigned aircraft, other surface combatants, and maritime patrol air forces. The high logistic support required by these forces is provided by "General Purpose" installations. Homeporting facilities for ships and aircraft, maintenance, logistic support, and specialized training are representative of the fleet support requirements met by these installations or activities which are their tenants.

The Reserve Air Stations support the Ready Reserve Air Squadrons.

AUXILIARY FORCES (300)

The Navy Command and Control System provides the means to effectively exercise the operational direction of naval forces in peace and war. Its objectives are to ensure that the National Command Authorities, unified commanders, naval component commanders, and subordinate naval commanders are able to receive sufficient, accurate, and timely information on which to base their decisions and by having available the means to communicate these decisions to the forces involved. Effective control over its forces allows the Navy to operate on a coordinated basis in fulfilling its worldwide operational responsibilities.

expected to increase. The planned changes in the number of ships, and to a lesser extent aircraft, coupled with the increase in physical size of the ships will continue to impact shore activities. Military construction (MILCON), base operating support (BOS), and other procurement Navy (OPN) resources will be required to meet the additional demands imposed on shore bases by a changing fleet.

II. BASE STRUCTURE OVERVIEW

The mission of the U.S. Navy, as set forth in Title 10, U.S. Code, is to conduct prompt and sustained combat operations at sea in support of the U.S. national interests; in effect, to assure continued maritime superiority for the United States.

The Navy carries out its mission within the framework of a national strategy in coordination with the other Services and U.S. allies. This mission requires both forces capable of sustained operations at sea and a shore base structure capable of providing essential logistics support, including training and maintenance. Navy shore bases (operating bases, supply centers, shipyards, aircraft rework facilities, weapons stations, etc.), which directly support the fleet, must be geographically located to ensure flexibility and responsiveness.

Homeporting decisions are based upon seeking an optimum balance among several factors including force dispersal, battle group integrity, industrial capacity and capability, logistic suitability and affordability. The size and composition of the fleet impacts significantly upon the number and location of operating bases, maintenance and repair/overhaul sites, and the supporting capabilities required at each. Fleet aircraft basing concept seeks to retain the minimum number of bases for programmed aircraft and to collocate carrier-based tactical and carrier-based ASW aircraft. Similarly, the size and composition of the fleet determine the types, number, and location of aircraft rework facilities, ordnance activities, weapons ranges, and other support bases. Selected fleet training is provided at operation bases while other specialized education and training complexes support recruit training, specialized skill training, officer acquisition training, undergraduate flight training, etc. Whenever possible, initial skill training is provided in close proximity to acquisition training.

Operating bases are the Navy's most crucial shore activities, providing deep water harbors with pier space and anchorages, cargo staging and loading areas, ship and aircraft depot maintenance, airfields and other support facilities. Operating bases also provide medical and training support direct to the fleet. While differing in size, all provide synergistic support to operating forces.

From 1968 until the late seventies, the Navy had been significantly reduced and shore bases were realigned to more appropriately support this smaller fleet. These actions reduced the number of active ship homeport complexes, aircraft basing complexes, naval shipyards, and air rework facilities. In the eighties, the mix and type of ships changed, fleet force levels and number of homeports are

CHAPTER THREE

NAVY BASE STRUCTURE

I. INTRODUCTION

The Navy Base Structure Annex to the Manpower Requirements Report for FY 1986 is submitted in compliance with Section 138 of Title 10, United States Code. The Navy Annex consists of five sections in addition to the Introduction. Section II, Base Structure Overview, discusses factors affecting the number and capabilities of Navy Shore Bases. Section III relates major Navy bases to the forces supported within the framework of the Installation Defense Planning and Programming (IDPP) categories. Section IV, Base Operations Costs, provides a summary table by major defense programs of those costs included in this category. Section V discusses the Navy's continuing process for appraising base operations costs. Section VI is a listing of installations, activities, and properties comprising the base structure.

It should be noted that most bases listed have multiple missions and that only primary missions are shown. Personnel assigned to ships and aircraft squadrons which are homeported or assigned at a given base are included in Section VI, personnel data.

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ARMY BASE STRUCTURE

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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreege	Major Unit-Activity-Function
	CAMP EDWARDS		WOLLONG	202	491	0	491	491	10	FORWARD AREA SUP TEAM, ENGR CO
	CAMP LONG		WONJU	202	328	2	330	330	84	COMBAT SERVICE SUPPORT
	CAMP GARRY OWEN		YONG POONG	202	496	6	502	502	5	CAVALRY SQ HQ
	CAMP INDIAN		YONGHYON-DI	202	91	1	92	92	10	ENGINEER COMPANY
				PANAMA						
	DEFENSE COMPLEX, PANAMA		*	202	7634	5997	13631	14511	24143	SUPPORT OF ARMY IN PANAMA
				TURKEY						
	DIIGENES STATION		SINOP	303	292	*	292	292	382	COMMUNICATIONS
				UNITED KINGDOM						
	BURTONWOOD ARMY DEPOT		WARRINGTON	507	44	*	44	44	134	DEPOT, TECHNICAL SITE

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreege	Major Unit-Activity-Function
K-16 AIRFIELD	SEOUL	262	*	262	272	215 AVIATION COMPANIES			
YONGSAN GARRISON	SEOUL	5612	1107	6719	7416	1628 HQ, EIGHTH U S ARMY			
CAMP GIANT	SUNGU-HE	140	6	146	146	22 FACILITY ENGINEER			
CAMP AMES	TAEGON	159	6	165	165	50 COMBAT SERVICE SUPPORT			
CAMP HENRY	TAEGU	569	89	658	667	59 HQ, 19TH SUPPORT COMMAND			
CAMP WALKER	TAEGU	490	118	608	664	191 COMBAT SERVICE SUPPORT			
CAMP CASEY	TONGDUCHON	5951	83	6014	6062	821 HEADQUARTERS & ADMINISTRATION			
CAMP CASTLE	TONGDUCHON	411	1	412	413	54 ENGINEER BATTALION (-)			
CAMP NIMBLE	TONGDUCHON	80	*	80	80	14 ENGINEER COMPANY			
CAMP HOVEY	TONGDUCHON-NI	2365	7	2372	2372	3928 INFANTRY BRIGADE			
CAMP ESSAYONS	UIJONG-BU	559	5	564	564	57 FIELD ARTILLERY BATTALION (MLRS)			
CAMP RED CLOUD	UIJONG-BU	1203	25	1228	1257	202 HQ & ADMIN SUPPORT			
CAMP STANLEY	UIJONG-BU	2354	7	2361	2361	576 FIELD ARTILLERY BN; DIV ARTY			
CAMP FALLING WATER	UIJONGBU	4	10	14	19	47 FACILITY ENGINEER			
CAMP JACKSON	UIJONGBU	*	*	*	*	952 NCO ACADEMY			
CAMP SEARS	UIJONGBU	163	0	163	163	56 COMBAT SERVICE SUPPORT			
LAGUARDIA	UIJONGBU	189	*	189	189	34 AVIATION COMPANY			
CAMP CARROLL	WAEGWAN	876	42	918	937	744 LOGISTICS DEPOT			

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Wuereburg		*	202	12150	2550	14700	14700	*	3RD INFANTRY DIVISION (MECH)
US Army Base, Wuereburg									
HARDHEIM MISSILE STATION	HARDHEIM		202	181	*	181	181		25 32ND AIR DEFENSE COMMAND
HARVEY BARRACKS	KITZINGEN		202	2938	*	2938	2938		628 3RD INFANTRY DIVISION (MECH)
LARSON BARRACKS	KITZINGEN		202	2065	*	2065	2065		656 3RD INFANTRY DIVISION (MECH)
MAINBULLAU MISSILE STATION	MILTENBURG		202	2200	*	2200	2200		33 LABOR SERVICE AGENCY
PEDEN BARRACKS	WERTHEIM		202	909	*	909	909		519 VII CORPS ARTILLERY
EMERY BARRACKS	WURZBURG		202	1207	*	1207	1207		52 32ND AIR DEFENSE COMMAND
GIEBELFACDT TACTICAL DEF FAC	WURZBURG		202	1414	*	1414	1414		26 32ND AIR DEFENSE COMMAND
HINDENBURG BARRACKS	WURZBURG		202	775	*	775	775		17 3RD INFANTRY DIVISION (MECH)
LEIGHTON BARRACKS	WURZBURG		202	1600	*	1600	1600		342 3RD INFANTRY DIV (MECH) HQ
US Army Base, Zweibruecken		*	202	1913	2000	3913	3913	*	60TH ORDNANCE GROUP (AMMO)
US Army Base, Zweibruecken									
MIESAU AMMO DEPOT	MIESAU		202	991	*	991	991		1077 LOGISTICS DEPOT
KREUZBERG KASERNE	ZWEIBRUECKEN		202	922	*	922	922		119 US ARMY MAT'L MGT CTR, EUROPE

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	GRENADIER KASERNE	STUTTGART	202	32	*	32	32	21	VII CORPS HQ
	KELLEY BARRACKS	STUTTGART	202	1316	*	1316	1316	63	VII CORPS HQ
	PATCH BARRACKS	STUTTGART	202	1313	*	1313	1313	94	HQ, US EUROPEAN COMMAND
	ROBINSON BARRACKS	STUTTGART	202	605	*	605	605	53	VII CORPS HQ
	WALLACE & MCGEE BARRACKS	STUTTGART	202	17	*	17	17	23	USAREUR ADJUTANT GENERAL
US Army Base, Wiesbaden	US Army Base, Wiesbaden	*	202	5233	2965	8198	8198	*	4TH INFANTRY DIVISION
CAMP PIERI		WIESBADEN	202	710	*	710	710	38	V CORPS ARTILLERY
WIESBADEN AIR BASE		WIESBADEN	202	2504	*	2504	2504	638	4TH INFANTRY DIVISION
US Army Base, Wildflecken	US Army Base, Wildflecken	*	202	2583	620	3203	3203	*	*
CAMP WILDFLECKEN		WILDFLECKEN	202	2583	*	2583	2583	17565	3RD INFANTRY DIVISION (MECH)
US Army Base, Worms	US Army Base, Worms	*	202	1484	1700	3184	3184	*	5TH SIGNAL COMMAND
KRIEGSFELD AMMO DEPOT		KIRCHHEIMBOLLN	202	454	*	454	454	1219	LOGISTICS DEPOT
QUIRNHEIM MISSILE STATION		QUIRNHEIM	202	220	*	220	220	31	32ND AIR DEFENSE COMMAND
TAUKKUNEN BARRACKS		WORMS	202	795	*	795	795	5652	5TH SIGNAL COMMAND

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreege	Major Unit-Activity-Function
US Army Base, Schweinfurt		*	202	9222	1200	10422	10422	*	3RD INFANTRY DIVISION (MECH)
US Army Base, Schweinfurt									
DALEY BARRACKS	BAD KISSINGEN		202	933	*	933	933		67 11TH ARMORED CAVALRY REGIMENT
CONN BARRACKS	SCHWEINFURT		202	3024	*	3024	3024		500 3RD INFANTRY DIVISION (MECH)
LEWARD BARRACKS	SCHWEINFURT		202	4222	*	4222	4222		126 3RD INFANTRY DIVISION (MECH)
US Army Base, Stuttgart		*	202	13310	5060	18370	18370	*	HQ EUROM & HQ VII CORPS
US Army Base, Stuttgart									
BOEBLINGEN MAINTENANCE PLANT	BOEBLINGEN		202	33	*	33	33		190 2ND SUPPORT COMMAND
PANZER KASERNE	BOEBLINGEN		202	2557	*	2557	2557		88 1ST INFANTRY DIVISION (FWD)
FUNKER KASERNE	ESSLINGEN		202	2150	*	2150	2150		18 2ND SUPPORT COMMAND
LUDENDORF KASERNE	KORNWESTHEIM		202	876	*	876	876		29 18TH ENGINEER BRIGADE
WILKIN BARRACKS	KORNWESTHEIM		202	730	*	730	730		27 56TH FIELD ARTILLERY BRIGADE
COFFEY BARRACKS	LUDWIGSBURG		202	868	*	868	868		22 US ARMY MEDICAL COMMAND
FLAK KASERNE	LUDWIGSBURG		202	1111	*	1111	1111		44 2ND SUPPORT COMMAND
KRABENLOCH KASERNE	LUDWIGSBURG		202	913	*	913	913		28 VII CORPS SIGNAL BATTALION
NELLINGEN KASERNE	NELLINGEN		202	2401	*	2401	2401		306 2ND SUPPORT COMMAND
BAD CANNSTATT HOSPITAL	STUTTGART		202	484	*	484	484		29 HEALTH CARE
ECHTERDINGEN AIRFIELD	STUTTGART		202	315	*	315	315		196 ASA, USAREUR & 7TH ARMY

V. ACTIONS TO REDUCE BASE OPERATIONS SUPPORT (BOS) COSTS

The Navy assigns responsibility for base operations to the Commanding Officer of each individual shore activity. Major claimants perform a strong management role and the staff of the Navy Department provides guidance and long term objectives. The Navy has established a central program sponsor for Base Operations Support (BOS) and is creating a framework to manage this program to be responsive to the needs of the operating forces and the requirements of OSD, OMB and Congress.

There is a direct relationship between effectiveness of shore bases and overall readiness of the Navy. Effectiveness of shore bases in turn is dependent upon effectiveness of the base operations support functions. Constrained BCS resources require resources being applied up to, though not beyond, requirements. The Navy is seeking an adequate level of effectiveness in the base operations support function and the protection of its capital investment in the shore establishment with the use of the minimum possible resources to achieve that level.

The management process to accomplish this consists of four parts: assessment, programming of resources, budgeting, and management improvements.

This process relies on assessments by Commanding Officers and intermediate commanders in the chain of command to determine the Navy's ability to perform shore base missions at current and projected resource levels.

The results of these assessments are now being used in the acquisition and distribution of resources.

LONG-RANGE GOALS OF BASE OPERATIONS MANAGEMENT

To provide an acceptable level of readiness at shore activities with the minimum commitment of resources.

MAJOR OBJECTIVES

- To determine and to provide funding alternatives for base operations program deficiencies at the shore activity level that detract from the Navy's ability to support the operating forces.
- To determine and to provide funding alternatives for base operations program deficiencies in personnel support areas that directly impact the Navy's ability to retain quality personnel and that detract from the quality of life for all naval personnel.
- To recover from a long-term trend of depressed funding in Maintenance of Real Property (MRP) which has resulted in

marginal to poor facility conditions with the potential for impact on readiness and adverse life cycle economics.

- To conform to the direction of Executive Order 12003, which amends Executive Order 11912 relating to energy policy and conservation, and to reflect a reduction in energy consumption at Navy Shore Bases.

- To place emphasis on the study of in-house commercial industrial type activities with a view towards conversion to contract accomplishments where economically justified.

- To replace existing, deteriorated facilities with new facilities that are inexpensive to maintain.

Base operations support costs are directly related to the size of shore bases which are directly related to the size of the operating forces. The method of accomplishing the objectives in base operations is directed toward identifying the minimum resources required to adequately support the operating forces. Considering this direct relationship, the objective of establishing a "minimum cost of ownership" is imperative for accomplishing management improvement.

SECTION VI
NAVY BASE STRUCTURE

TABLE X

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
GENERAL PURPOSE (202)	32	4	7	43
GUARD AND RESERVE (206)	6			6
INTELLIGENCE AND COMMUNICATIONS (303)	19	2	13	34
RESEARCH AND DEVELOPMENT (306)	30		1	31
GENERAL PURPOSE (402)	30	1	9	40
CENTRAL SUPPLY AND MAINTENANCE (507)	60	4	8	72
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	64	1	5	70
TOTAL NAVY	241	12	43	296

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
Navy									
ALABAMA									
	BARIN FIELD	BALDWIN CO	508	*	*	*	*	968	OUTLYING LANDING FIELD
	NAVAL OLF KAISER	BALDWIN CO	508	*	*	*	*	58	OUTLYING LANDING FIELD
	NAVAL OLF MAGNOLIA	BALDWIN CO	508	*	*	*	*	483	OUTLYING LANDING FIELD
	NAVAL OLF SILVERHILL	BALDWIN CO	508	*	*	*	*	399	OUTLYING LANDING FIELD
	NAVAL OLF SUMMERDALE	BALDWIN CO	508	*	*	*	*	565	OUTLYING LANDING FIELD
	NAVAL ALF BREWTON	BREWTON	508	*	*	*	*	673	AUXILIARY LANDING FIELD
	NAVAL OLF MIDDLETON	CONECCH CO	508	*	*	*	*	440	OUTLYING LANDING FIELD
	NAVAL OLF WOLF	JOSEPHINE	508	*	*	*	*	422	OUTLYING LANDING FIELD
ALASKA									
	NAVAL AIR STATION, ADAK	ADAK	202	1307	186	1493	1546	52180	PATROL AIRCRAFT
	NAVAL SECURITY GROUP ACTIVITY	ADAK	303	574	13	587	592	8820	COMMUNICATIONS
	CAPE PRINCE OF WALES	WALES	308	*	*	*	*	478	SUPPORT SITE-OCEAN SYS CTR
ARIZONA									
	ARIZONA FACILITY	MARICOPA CO	308	*	*	*	*	1186	TEST FACILITY-OCEAN SYS CTR
CALIFORNIA									
	NAS, ALAMEDA	ALAMEDA	202	13970	5586	19556	21128	2816	SUPPORT AIRCRAFT, NARF

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	NAVAL FACILITY, PT SUR	BIG SUR	303	113	1	114	114	50	OCEANOGRAPHIC RESEARCH
	NAVAL HOSPITAL, C PENDLETON	CAMP PENDLETON	508	879	378	1257	1266	187	HEALTH CARE
	NAVAL WEAPONS CTR, CHINA LAKE	CHINA LAKE	308	966	4870	5836	6995	1126585	AIR WARFARE&MISSILE SYSTEMS
	NAVAL WEAPONS ST., CONCORD	CONCORD	507	2951	1199	4150	4234	13024	WEAPONS PRODUCTION
	NAVAL ALF CROWS LANDING	CROWS LANDING	202	*	*	*	*	1539	AUXILIARY FIELD
	NAVAL AIR FACILITY, EL CENTRO	EL CENTRO	202	515	161	676	892	63138	FLEET AIR TRAINING SUPPORT
	NAVAL FAC, CENTERVILLE BEACH	FERNDAL	303	270	19	289	300	49	OCEANOGRAPHIC RESEARCH
	NAVAL OLF IMPERIAL BEACH	IMPERIAL BEACH	202	*	*	*	*	1153	OUTLYING FIELD
	NAS, LEMOORE	LEMOORE	202	6869	762	7631	7783	39173	ATTACK AIRCRAFT
	LONG BEACH NAVAL SHIPYARD	LONG BEACH	507	43	7113	7156	7166	350	SHIP ALTERATION&REPAIR
	NAVAL HOSPITAL, LONG BEACH	LONG BEACH	508	738	474	1212	1232	65	HEALTH CARE
	NAVSTA, LONG BEACH	LONG BEACH	402	8451	442	8893	9520	1397	FLEET&SHORE ESTABLISHMENT SPT
	NAS, MOFFETT FIELD	MOFFETT FIELD	202	6125	714	6839	8184	2380	AREA COORDINATOR
	NAVAL POSTGRADUATE SCHOOL	MONTEREY	508	1812	912	2724	2799	619	PROFESSIONAL DEVELOPMENT TNG
	NAV PUBLIC WKS CTR, S FRAN	OAKLAND	507	11	1507	1518	1518	696	FACILITIES SUPPORT
	NAVAL HOSPITAL, OAKLAND	OAKLAND	508	1486	561	2047	2093	191	HEALTH CARE
	NAVAL SUPPLY CTR, OAKLAND	OAKLAND	507	1691	3742	5433	5771	1134	SUPPLY SUPPORT
	NAVAL IND. RESERVE PLANT	POMONA	507	*	*	*	*	160	MISSILE SYSTEMS (C)
	NAV CONST BN CTR, PT HUENEME	PORT HUENEME	402	5763	3780	9543	10046	2428	CONSTRUCTION FORCE SUPPORT
	LAGUNA PEAK	PT MUGU	306	*	*	*	*	44	INSTRUMENTATION SITE
	PACIFIC MISSILE TEST CENTER	PT MUGU	306	2698	3780	6478	9536	4528	RD&E AIR LAUNCHED WEAPONS

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	SAN MIGUEL ISLAND	PT MUGU	306	*	*	*	*	9083	WEATHER STATION
	SAN NICHOLAS ISLAND	PT MUGU	306	*	*	*	*	13370	RANGE INSTRUMENTATION
	SANTA BARBARA ISLAND	PT MUGU	306	*	*	*	*	1	WEATHER STATION
	SANTA CRUZ ISLAND	PT MUGU	306	*	*	*	*	10	INSTRUMENTATION SITE
	NAVAL ALF SAN CLEMENTE	SAN CLEMENTE	202	*	*	*	*	36200	AUXILIARY FIELD
	FLEET ASW TRAINING CTR, PAC	SAN DIEGO	508	2589	71	2660	2660	37	ASW TRAINING
	FLEET COMBAT TRAINING CTR, PAC	SAN DIEGO	508	758	310	1068	1172	91	SPECIALIZED TRAINING
	NAS, MIRAMAR	SAN DIEGO	202	12032	942	12974	14135	23413	FIGHTER & ATTACK AIRCRAFT
	NAS, NORTH ISLAND	SAN DIEGO	202	22359	7301	29660	31573	10511	EARLY WARNING & ASW AIRCFT, NARF
	NAV ELECTRONIC SYSTEM ENG CTR,	SAN DIEGO	306	6	628	634	764	3	R&D-ELECTRONICS
	NAV PUBLIC WKS CTR, SAN DIEGO	SAN DIEGO	507	17	2378	2395	2969	2120	FACILITIES SUPPORT
	NAV SUB BASE, SAN DIEGO	SAN DIEGO	402	6203	32	6235	6261	289	SUBMARINE FORCE SUPPORT
	NAVAL AMPHIB BASE, CORONADO	SAN DIEGO	402	4331	297	4628	4629	1095	AMPHIBIOUS WARFARE TRAINING
	NAVAL COMM STA, SAN DIEGO	SAN DIEGO	303	299	219	518	552	622	COMMUNICATIONS
	NAVAL HOSPITAL, SAN DIEGO	SAN DIEGO	508	1729	1006	2735	2746	85	HEALTH CARE
	NAVAL OCEAN SYSTEMS CENTER	SAN DIEGO	306	351	3257	3608	4551	2248	OCEAN SYS R & D
	NAVAL STATION, SAN DIEGO	SAN DIEGO	402	37948	2025	39973	40269	1510	OPERATING BASE
	NAVAL SUPPLY CTR, SAN DIEGO	SAN DIEGO	507	233	1707	1940	2044	543	SUPPLY DEPOT
	NAVAL TRAINING CTR, SAN DIEGO	SAN DIEGO	508	10973	270	11243	11668	546	RECRUIT & SKILL TRAINING
	NAVAL STATION, TREASURE IS	SAN FRANCISCO	402	1680	347	2027	2209	995	FLEET & SHORE ESTABLISHMENT SPT
	SUPSHIP, SAN FRANCISCO	SAN FRANCISCO	507	*	*	*	*	938	SHIP REPAIR (1)

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	NAVAL FUEL FARM, SAN PEDRO	SAN PEDRO		507	*	*	*	*	330	STORAGE-FUELS
	NAVAL WEAPONS STA, SEAL BEACH	SEAL BEACH		507	395	2331	2726	3808	13975	ORDNANCE SUPPORT
	NAV SECURITY GP ACT, SKAGGS IS SONOMA	STOCKTON		303	294	35	329	342	3309	COMMUNICATIONS
	NAVAL COMM STA, STOCKTON	STOCKTON		303	265	947	1212	1297	2789	COMMUNICATIONS
	MARE ISLAND NAVAL SHIPYARD	VALLEJO		507	58	10048	10106	10497	5621	SHIP ALTERATION&REPAIR
	NAVAL STATION, MARE ISLAND	VALLEJO		402	2605	772	3377	3643	500	LOGISTIC SUPPORT
CONNECTICUT										
	NAVAL WEAPONS IND RESERVE PLT	BLOOMFIELD		507	*	*	*	*	85	PRODUCTION-HELICOPTERS (C)
	NAVAL SUB BASE, NEW LONDON	GROTON		402	13211	966	14177	14422	1326	SUBMARINE FORCES SUPPORT
	NAV UNDERWATER SYS DEV CTR, NL	NEW LONDON		306	*	*	*	*	26	R&D-UNDERSEA WARFARE
	DIST OF COLUMBIA									
	HQ NAV DISTRICT WASHINGTON	WASHINGTON		402	1740	3166	4906	5408	572	ADMINISTRATIVE/LOGISTICS
	NAVAL AUDIOVISUAL CENTER	WASHINGTON		303	130	125	255	282	*	PHOTOGRAPHIC SUPPORT
	NAVAL OBSERVATORY	WASHINGTON		303	72	508	580	591	72	NAVAL OBSERVATORY
	NAVAL RESEARCH LABORATORY	WASHINGTON		306	96	3603	3699	5512	844	PHYSICAL SCIENCES RESEARCH
	NAVAL SECURITY STA, WASHINGTON	WASHINGTON		303	679	685	1364	1402	38	COMMUNICATIONS
	FLORIDA									
	PINECASTLE RANGE	ASTOR		202	*	*	*	*	5825	RANGE
	STEVENS LAKE TARGET	CAMP BLANDING		202	*	*	*	*	2554	TARGET

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NAS, CECIL FIELD	CECIL FIELD	CECIL FIELD	202	8410	525	8935	10593	17607	ATTACK & ASW AIRCRAFT
NAVAL OLF 4A	ESCAMBIA	ESCAMBIA	508	*	*	*	*	1	OUTLYING LANDING FIELD
NAVAL OLF 6A	ESCAMBIA	ESCAMBIA	508	*	*	*	*	840	OUTLYING LANDING FIELD
NAVAL OLF BRONSON	ESCAMBIA	ESCAMBIA	508	*	*	*	*	1098	OUTLYING LANDING FIELD
NAVAL OLF SITE 6	ESCAMBIA	ESCAMBIA	508	*	*	*	*	240	OUTLYING LANDING FIELD
NAVAL SECURITY GROUP ACTIVITY	HOMESTEAD	HOMESTEAD	303	335	58	393	433	815	COMMUNICATIONS
LAKE GEORGE TARGET	JACKSONVILLE	JACKSONVILLE	202	*	*	*	*	1	TARGET
NAS, JACKSONVILLE	JACKSONVILLE	JACKSONVILLE	202	9581	5964	15545	18127	3822	PATROL & ASW AIRCRAFT, NARF
NAVAL FUEL DEPOT, JACKSONVILLE	JACKSONVILLE	JACKSONVILLE	507	*	*	*	*	181	STORAGE-FUELS
NAVAL HOSPITAL, JACKSONVILLE	JACKSONVILLE	JACKSONVILLE	508	1171	270	1441	1539	75	HEALTH CARE
NAVAL OLF WHITEHOUSE	JACKSONVILLE	JACKSONVILLE	202	*	*	*	*	2587	OUTLYING LANDING FIELD
NAVAL SUPPLY CENTER	JACKSONVILLE	JACKSONVILLE	507	31	585	616	660	119	SUPPLY SUPPORT
RODMAN TARGET	JACKSONVILLE	JACKSONVILLE	202	*	*	*	*	2693	TARGET
NAS, KEY WEST	KEY WEST	KEY WEST	202	3204	550	3754	4348	17955	RECONNAISSANCE AIRCRAFT
NAVAL STATION, MAYPORT	MAYPORT	MAYPORT	402	15812	738	16550	16834	2768	OPERATING BASE
NAS, WHITING FIELD	MILTON	MILTON	508	2568	270	2838	3881	4122	FLIGHT TRAINING
NAVAL OLF HAROLD	MILTON	MILTON	508	*	*	*	*	573	OUTLYING LANDING FIELD
NAVAL OLF PACE	MILTON	MILTON	508	*	*	*	*	207	OUTLYING LANDING FIELD
NAVAL TRAINING CENTER, ORLANDO	ORLANDO	ORLANDO	508	13898	2050	15948	16411	2057	RECRUIT & SKILL TRAINING
NAV COASTAL SYSTEMS CENTER	PANAMA CITY	PANAMA CITY	308	675	1000	1675	2028	1111	COASTAL REGION WARFARE
NAS, PENSACOLA	PENSACOLA	PENSACOLA	508	6324	5274	11598	11914	5511	FLIGHT TRAINING, NARF

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GEORGIA	NAV ED&TNG PRO DEV CTR, ELLYSON	PENSACOLA		508	*	*	*	*		945 TRAINING PROGRAM DEVELOPMENT
	NAV PUBLIC WKS CTR, PENSACOLA	PENSACOLA		507	9	695	704	785		291 FACILITIES SUPPORT
	NAVAL HOSPITAL, PENSACOLA	PENSACOLA		508	532	251	783	822		78 HEALTH CARE
	NAVAL TECH TNG CTR, CORRY STA	PENSACOLA		508	3161	176	3337	3440		432 TECHNICAL TRAINING
	NAVAL OLF CHOCTAW	SANTA ROSA		508	*	*	*	*		800 OUTLYING LANDING FIELD
	NAVAL OLF HOLLEY	SANTA ROSA		508	*	*	*	*		698 OUTLYING LANDING FIELD
	NAVAL OLF SANTA ROSA	SANTA ROSA		508	*	*	*	*		738 OUTLYING LANDING FIELD
	NAVAL OLF SPENCER	SANTA ROSA		508	*	*	*	*		640 OUTLYING LANDING FIELD
	NAVAL WEAPONS IND RESERVE PLT	WEST PALM BEACH		507	*	*	*	*		400 STORAGE-AIRCRAFT PARTS (C)
HAWAII	NAVY SUPPLY CORPS SCHOOL	ATHENS		508	128	49	177	197		58 SKILL TRAINING
	NAVAL SUB BASE, KINGS BAY	KINGS BAY		402	2354	417	2771	3155		16711 SUBMARINE BASE
	NAS, ATLANTA	MARIETTA		205	601	153	754	2482		164 RESERVE AIR TRAINING
	MAKALAPA	AIEA		402	*	*	*	*		114 OPERATIONAL SUPPORT
	OHANA NUI	AIEA		402	*	*	*	*		49 OPERATIONAL SUPPORT
	NAS, BARBERS POINT	BARBERS POINT		202	4711	335	5046	5218		3746 PATROL AIRCRAFT
	NAVAL ALF FORD ISLAND	HONOLULU		202	*	*	*	*		229 AUXILIARY TRAINING FIELD
	NAV PAC MISSILE RANGE FACILITY KEKAHA	KEKAHA		306	*	*	*	*		2382 MISSILE FIRING RANGE
	NAVAL MAGAZINE, LUALUALEI	LUALUALEI		507	807	313	1120	1180		8176 ORDNANCE SUPPORT

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	KAULA ISLAND		NIHAU	202	*	*	*	*	108	TARGET
	CAMP CATLIN		PEARL CITY	402	*	*	*	*	0	OPERATIONAL SUPPORT
	FORD ISLAND		PEARL CITY	402	*	*	*	*	189	OPERATIONAL SUPPORT
	PEARL CITY		PEARL CITY	402	*	*	*	*	0	OPERATIONAL SUPPORT
	NAV PUB WKS CTR, PEARL HARBOR		PEARL HARBOR	507	58	1602	1660	1660	2091	FACILITIES SUPPORT
	NAVAL STATION, PEARL HARBOR		PEARL HARBOR	402	8280	779	9059	9292	5487	OPERATING BASE
	NAVAL SUB BASE, PEARL HARBOR		PEARL HARBOR	402	4208	265	4473	4577	103	SUBMARINE FORCES SUPPORT
	NAVAL SUPPLY CTR, PEARL HARBOR		PEARL HARBOR	507	248	902	1150	1233	838	SUPPLY SUPPORT
	PEARL HARBOR NAVAL SHIPYARD		PEARL HARBOR	507	77	7224	7301	7596	161	SHIP ALTERATION & REPAIR
	NAV COMM AREA MASTER STA, EPAC WAHIAWA		PEARL HARBOR	303	1185	221	1406	1547	2422	COMMUNICATIONS
	KOLE KOLE PASS		WAIPAHU	507	*	*	*	*	31	LOGISTICS SUPPORT
	LOWER KIPAPA		WAIPAHU	507	*	*	*	*	1	LOGISTICS SUPPORT
	WAIKELE		WAIPAHU	507	*	*	*	*	518	LOGISTICS SUPPORT
	WAIPIO PENINSULA		WAIPAHU	507	*	*	*	*	1412	AMMUNITION STORAGE
	WEST LOCH		WAIPAHU	507	*	*	*	*	2670	AMMUNITION STORAGE
ILLINOIS	NAS, GLENVIEW		GLENVIEW	205	1320	246	1566	5284	1288	RESERVE AIR TRAINING
	NAVAL HOSPITAL, G LAKES		GREAT LAKES	508	2436	354	2790	2829	85	HEALTH CARE
	NAVAL TNG CTR, G LAKES		GREAT LAKES	508	19645	1354	20999	22148	1017	RECRUIT & SKILL TRAINING
	NAVY PUBLIC WRKS CTR, G LAKES		GREAT LAKES	507	17	679	696	833	587	FACILITIES SUPPORT

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INDIANA									
	NAV WEAPONS SUPPORT CTR, CRANE CRANE		507	51	4417	4468	4662	62509	WEAPONS SYSTEM & ORDNANCE SPT
	NAVAL AVIONICS CENTER	INDIANAPOLIS	306	21	2532	2553	2553	163	AVIONICS REPAIR
	NAVAL IND RESERVE ORDNANCE PLT MISAWAKA		507	*	*	*	*	26	MISSILE SUPPORT (C)
KENTUCKY									
	NAV ORDNANCE STA, LOUISVILLE	LOUISVILLE	507	7	*	7	7	120	ORDNANCE SUPPORT
LOUISIANA									
	NAS, BELLE CHASSE	NEW ORLEANS	205	646	208	854	1895	4921	RESERVE AIR TRAINING
	NAVAL SUPPORT ACT, NEW ORLEANS	NEW ORLEANS	402	2264	1655	3919	5591	246	FLEET&SHORE ESTABLISHMENT SPT
MAINE									
	NAS, BRUNSWICK	BRUNSWICK	202	3586	458	4044	4414	8742	PATROL AIRCRAFT
	NAVAL COMM UNIT, CUTLER	EAST MACHIAS	303	124	106	230	234	2999	COMMUNICATIONS
	NAVAL INDUSTRIAL RESERVE PLANT SOUTH BRISTOL	SOUTH BRISTOL	507	*	*	*	*	17	SONO BOUY TEST FACILITY
	NAV SECURITY GP ACT, WINTER HA WINTER HARBOR	WINTER HARBOR	303	384	68	452	474	603	COMMUNICATIONS
MARYLAND									
	NAVAL SHIP R&D CTR, ANNAPOLIS	ANNAPOLIS	306	*	*	*	*	66	R&D-SHIP TECHNOLOGY
	US NAVAL ACADEMY	ANNAPOLIS	508	5718	1795	7513	7806	1747	OFFICER ACQUISITION TRAINING
	D W TAYLOR NAV SHIP R&D CTR	BETHESDA	306	90	2688	2778	2919	260	R&D-SHIP TECHNOLOGY

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		NAVAL MEDICAL COMMAND-NCR	BETHESDA	508	3714	2458	6172	6506	243	HEALTH CARE
		NAVAL COMM UNIT, WASHINGTON	CHELTENHAM	303	159	218	377	618	240	COMMUNICATIONS
		BLOODSWORTH ISLAND	CROCHERON	402	*	*	*	*	6013	TARGET COMPLEX
		NAVAL IND RESERVE ORDNANCE PLT CUMBERLAND		507	*	*	*	*	1747	R&D-PROPELLANTS (C)
		NAV ORDNANCE STA, INDIAN HEAD	INDIAN HEAD	507	518	2593	3111	3329	3401	SOLID PROPELLENTS
		CHESAPEAKE TRACKING SITE	LEXINGTON PARK	306	*	*	*	*	234	TRACKING SITE
		NAVAL AIR TEST CTR, PAX RIVER	PATUXANT RIVER	306	3879	3188	7067	10036	6594	T&E AIRCRAFT SYSTEMS
		NAV SURFACE WEAPONS CTR, WH OAK SILVER SPRING		306	37	2024	2061	2212	733	R&D-NAVAL WEAPONS
		SOLOMONS FACILITY	SOLOMONS	306	*	*	*	*	296	TEST SITE
		WEBSTER FIELD	ST INIGOEES	306	*	*	*	*	968	TEST SITE
MASSACHUSETTS										
		NAVAL WEAPONS IND RESERVE PLT BEDFORD	BEDFORD	507	*	*	*	*	79	R&D-MISSILES & AIRCRAFT (C)
		NAVAL IND RESERVE ORDNANCE PLT PITTSFIELD	PITTSFIELD	507	*	*	*	*	31	PRODUCTION-MSL COMPONENTS (C)
		NAS, SOUTH WEYMOUTH	SOUTH WEYMOUTH	205	1065	207	1272	2820	2248	RESERVE AIR TRAINING
MINNESOTA										
		NAVAL INDUSTRIAL RESERVE PLANT ST PAUL	ST PAUL	507	*	*	*	*	15	PRODUCTION-ELECTRONIC EQUIP(C)
MISSISSIPPI										
		NAVAL OCEANOGRAPHIC OFFICE	BAY ST LOUIS	303	92	1297	1389	1800	1	NAVAL OCEANOGRAPHIC ACTIVITIES
		NAV CONST BN CTR, GULFPORT	GULFPORT	402	3775	549	4324	4867	4471	CONSTRUCTION FORCE SUPPORT

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NEVADA	NAVAL OLF BRAVO		KEMPER CO	508	*	*	*	*	1473	OUTLYING LANDING FIELD
	NAS, MERIDIAN		MERIDIAN	508	3259	721	3980	4171	10954	FLIGHT TRAINING
	NAVAL OLF ALPHA		NOXOBEE CO	508	*	*	*	*	1081	OUTLYING LANDING FIELD
NEW HAMPSHIRE	NAS, FALLON		FALLON	202	802	242	1044	1827	57584	ATTACK AIRCRAFT TRAINING
	TARGETS B-16, 17, 19, 20		FALLON	202	*	*	*	*	83436	TARGETS
NEW JERSEY	PORTSMOUTH NAVAL SHIPYARD		PORTSMOUTH	507	1154	8538	9692	9697	298	SHIP CONSTRUCTION & REPAIR
	NAVAL WEAPONS STA, EARLE		COLTS NECK	507	1475	825	2300	2582	11158	ORDNANCE SUPPORT
NEW MEXICO	NAVAL AIR ENG CTR, LAKEHURST		LAKEHURST	306	947	2381	3328	3579	7412	AIRCRAFT LAUNCH/RECOVERY SYS
	NAVAL AIR PROPULSION CENTER		TRENTON	306	7	659	666	675	73	ENGINE T&E ACTIVITIES
NEW YORK	NAVAL ORDNANCE MSL TEST FAC		WHITE SANDS	507	94	57	151	183	95	MISSILE TEST RANGE
	NAVAL WEAPONS IND RESERVE PLT		BETHPAGE	507	*	*	*	*	148	PRODUCTION-AIRCRAFT & PARTS(C)
NEW YORK	NAVAL STATION, NEW YORK		BROOKLYN	402	2533	431	2964	2993	104	FLEET&SHORE ESTABLISHMENT SPT
	NAVAL WEAPONS IND RESERVE P/T		CALVERTON	507	*	*	*	*	6048	PRODUCTION-AIRCRAFT (C)

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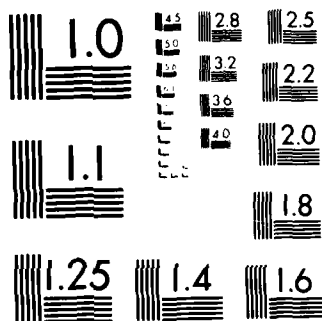
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		LAKE SENECA	DRESDEN	306	*	*	*	*		5 TEST SITE
		FISHERS ISLAND	FISHERS ISLAND	306	*	*	*	*		83 TEST SITE
		MITCHELL FIELD ANNEX	GARDEN CITY	402	*	*	*	*		45 SUPPORT ACTIVITIES
		NAVAL IND RESERVE ORDNANCE PLT ROCHESTER	ROCHESTER	507	*	*	*	*		12 PRODUCTION-FUZES (C)
NORTH CAROLINA										
		NAVAL HOSPITAL, CAMP LEJEUNE	CAMP LEJEUNE	508	766	284	1050	1108		182 HEALTH CARE
		PALMETTO POINT	COLUMBIA	202	*	*	*	*		97 RANGE
OHIO										
		NAVAL FINANCE CTR, CLEVELAND	CLEVELAND	402	147	1430	1577	1586		36 ADMINISTRATIVE SUPPORT-FINANCE
		NAVAL WEAPONS IND RESERVE PLT COLUMBUS	COLUMBUS	507	*	*	*	*		521 PRODUCTION-AIRCRAFT (C)
OREGON										
		BOARDMAN RANGE	BOARDMAN	202	*	*	*	*		62800 RANGE
		NAVAL FACILITY, COOS HEAD	CHARLESTON	303	126	15	141	142		109 OCEANOGRAPHIC RESEARCH
PENNSYLVANIA										
		NAVY SHIPS PARTS CONTROL CTR	MECHANICSBURG	507	158	7260	7418	7540		824 INVENTORY CONTROL POINT
		NAV STA, PHILADELPHIA	PHILADELPHIA	402	1184	1673	2857	3252		522 FLEET&SHORE ESTABLISHMENT SPT
		NAVAL HOSPITAL, PHILADELPHIA	PHILADELPHIA	508	546	211	757	856		48 HEALTH CARE
		NAVY AVIATION SUPPLY OFFICE	PHILADELPHIA	507	150	5954	6104	6321		135 NAVAL AVIATION SUPPLY&DLA ICP
		PHILADELPHIA NAVAL SHIPYARD	PHILADELPHIA	507	1044	12478	13522	13941		904 SHIP BUILDING & REPAIR

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State	Military Service	Name of Installation	City	IDPPC	Mill.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		NAVAL AIR DEVELOPMENT CENTER	WARMINSTER	306	255	2292	2547	3116	921	AIRCRAFT TECHNOLOGY
		NAS, WILLOW GROVE	WILLOW GROVE	205	1503	617	2120	5323	967	RESERVE AIR TRAINING
RHODE ISLAND										
		NAV CONST BN CTR, DAVISVILLE	DAVISVILLE	507	28	220	248	886	1284	MAINTENANCE & STORAGE (I)
		NAV EDUCATION & TRAINING CTR	NEWPORT	508	4182	1098	5280	6101	1202	OFF INDOCTRINATION & SKILL TNG
		NAVAL HOSPITAL, NEWPORT	NEWPORT	508	339	162	501	514	41	HEALTH CARE
		NAVAL UNDERWATER SYST CTR	NEWPORT	306	134	3119	3253	4254	267	UNDERSEA WARFARE R&D
		NAVAL WAR COLLEGE	NEWPORT	508	572	231	803	858	22	PROFESSIONAL DEVELOPMENT TNG
SOUTH CAROLINA										
		CHARLESTON NAVAL SHIPYARD	CHARLESTON	507	92	8775	8867	9192	1908	SHIP/SUB REPAIR
		FBM SUBMARINE TRAINING CENTER	CHARLESTON	508	378	16	394	394	8	SKILL TRAINING
		FLEET AND MINE WARFARE TNG CTR	CHARLESTON	508	236	7	243	290	9	SKILL TRAINING
		NAVAL HOSPITAL, CHARLESTON	CHARLESTON	508	833	175	1008	1110	24	HEALTH CARE
		NAVAL STATION, CHARLESTON	CHARLESTON	402	26072	2163	28235	29565	902	OPERATING BASE
		NAVAL SUPPLY CTR, CHARLESTON	CHARLESTON	507	133	1189	1322	1400	194	SUPPLY SUPPORT
		NAVAL WEAPONS STA, CHARLESTON	CHARLESTON	507	7138	1606	8744	9030	17537	WEAPONS SYSTEMS SUPPORT
TENNESSEE										
		NAVAL WEAPONS IND RESERVE PLT	BRISTOL	507	*	*	*	*	105	PRODUCTION-MSL COMPONENTS (C)
		NAS, MEMPHIS	MILLINGTON	508	11502	1043	12545	13920	3498	SKILL TRAINING

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State	Military Service	Name of Installation	City	IDPPC	MIL.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
TEXAS		NAVAL HOSPITAL, MILLINGTON	MILLINGTON	508	487	117	604	621	39	HEALTH CARE
		NAS, CHASE FIELD	BEEVILLE	508	1712	465	2177	2333	7045	FLIGHT TRAINING
		NAVAL ALF GOLIAD	BEEVILLE	508	*	*	*	*	1570	AUXILIARY LANDING FIELD
		NAS, CORPUS CHRISTI	CORPUS CHRISTI	508	1643	5337	6980	7787	2718	FLIGHT TRAINING
		NAVAL ALF WALDRON	CORPUS CHRISTI	508	*	*	*	*	763	AUXILIARY LANDING FIELD
		NAVAL HOSPITAL, CORP CHRISTI	CORPUS CHRISTI	508	285	88	373	387	32	HEALTH CARE
		NAS, DALLAS	DALLAS	205	1008	476	1483	4020	795	RESERVE AIR TRAINING
		NAVAL WEAPONS IND RESERVE PLT	DALLAS	507	*	*	*	*	315	PRODUCTION-AIRCRAFT PARTS (C)
		NAS, KINGSVILLE	KINGSVILLE	508	1881	396	2277	2473	3986	FLIGHT TRAINING
		NAVAL WEAPONS IND RESERVE PLT	MCGREGOR	507	*	*	*	*	9755	PRODUCTION-ROCKET MOTORS (C)
		NAVAL ALF CABANISS	NUECES	508	*	*	*	*	904	AUXILIARY LANDING FIELD
		NAVAL ALF ORANGE	ORANGE GROVE	508	*	*	*	*	1596	AUXILIARY LANDING FIELD
		NAVAL IND RESERVE ORDNANCE PLT	MAGNA	507	*	*	*	*	522	PRODUCTION-MISSILE PARTS (C)
UTAH		NAVAL ALF FENTRESS	CHESAPEAKE	202	*	*	*	*	8084	AUXILIARY LANDING FIELD
		TANGIER ISLAND	CRISFIELD	202	*	*	*	*	1	RANGE
		NAVAL SURFACE WEAPONS CTR	DAHLGREN	308	156	3003	3159	3260	4321	RD&E-ORDNANCE TECHNOLOGY

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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		FLEET ASW TRAINING CTR, LANT	NORFOLK	508	269	7	276	324	6	ASW TRAINING
		NAS, NORFOLK	NORFOLK	202	10936	6496	17432	19025	3327	EARLY WARNING&ASW AIRCFT, NARF
		NAV PUBLIC WKS CTR, NORFOLK	NORFOLK	507	12	1841	1853	1866	1054	FACILITIES SUPPORT
		NAVAL ADMIN CMD - AFSC	NORFOLK	508	306	92	398	408	30	PROFESSIONAL DEVELOPMENT TNG
		NAVAL AMPHIB BASE, LITTLE CREEK	NORFOLK	402	7546	841	8387	9170	5800	AMPHIBIOUS WARFARE SUPPORT
		NAVAL STATION, NORFOLK	NORFOLK	402	44592	2838	47430	47963	1393	OPERATING BASE
		NAVAL SUPPLY CTR, NORFOLK	NORFOLK	507	219	4643	4862	5273	1294	SUPPLY SUPPORT
		NAVCOMM AREA MASTER STA LANT	NORFOLK	303	821	191	812	879	1474	COMMUNICATIONS
		NAVAL HOSPITAL, PORTSMOUTH	PORTSMOUTH	508	2277	591	2868	3140	110	500 HEALTH CARE
		NORFOLK NAVAL SHIPYARD	PORTSMOUTH	507	694	13498	14192	16492	1309	SHIP ALTERATIONS & REPAIR
		FLEET COMBAT TRAINING CTR, LANT	VIRGINIA BEACH	508	4090	498	4588	4650	1038	SPECIALIZED TRAINING
		NAS, OCEANA	VIRGINIA BEACH	202	9816	737	10553	12039	7689	FIGHTER & ATTACK AIRCRAFT
		NAVAL WEAPONS STA, YORKTOWN	YORKTOWN	507	882	2051	2933	3221	10623	ORDNANCE SUPPORT
WASHINGTON										
		NAVAL HOSPITAL, BREMERTON	BREMERTON	508	516	258	774	815	49	HEALTH CARE
		NAVAL SUBMARINE BASE, BANGOR	BREMERTON	402	3961	1941	5902	7977	6692	SUBMARINE BASE
		NAVAL SUPPLY CTR, PUGET SOUND	BREMERTON	507	60	710	770	777	263	SUPPLY SUPPORT
		PUGET SOUND NAVAL SHIPYARD	BREMERTON	507	258	12367	12625	12762	1393	SHIP ALTERATION & REPAIR
		NAVAL OLF COUPEVILLE	COUPEVILLE	202	*	*	*	*	864	OUTLYING LANDING FIELD
		NAV UNDERSEA WARFARE ENGR STA	KEYPORT	507	280	3316	3596	4750	4959	UNDERWATER WEAPONS SUPPORT

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
NAS, WHIDBEY ISLAND		OAK HARBOR	202	6750	871	7621	9525	7534	ATTACK&ELEC WARFARE AIRCRAFT
NAVAL RADIO STATION, JIM CREEK OSO			303	2	36	38	38	4941	COMMUNICATIONS
NAVAL FACILITY, PACIFIC BEACH		PACIFIC BEACH	303	123	15	138	138	53	OCEANOGRAPHIC RESEARCH
NAVAL STATION, SEATTLE		SEATTLE	402	994	740	1734	2147	272	FLEET&SHORE ESTABLISHMENT SPT

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
Navy									
GUAM									
	NAS, AGANA	AGANA, GUAM	202	1405	201	1606	1611	2430	PATROL ELEC WARFARE AIRCRAFT
	NAV COMM AREA MASTER STA, WPAC	AGANA, GUAM	303	1080	131	1211	1267	4804	COMMUNICATIONS
	NAV PUBLIC WKS CTR, GUAM	AGANA, GUAM	507	14	1384	1398	1402	2155	FACILITIES SUPPORT
	NAVAL FACILITY, GUAM	AGANA, GUAM	202	96	*	96	96	333	OCEANOGRAPHIC RESEARCH
	NAVAL HOSPITAL, GUAM	AGANA, GUAM	508	428	100	528	529	113	HEALTH CARE
	NAVAL MAGAZINE, GUAM	AGANA, GUAM	507	342	68	410	412	8842	STORAGE-AMMUNITION
	NAVAL SHIP REPAIR FAC, GUAM	AGANA, GUAM	507	109	795	904	916	185	FLEET MAINTENANCE
	NAVAL STATION, GUAM	AGANA, GUAM	402	1617	109	1726	1735	4974	FLEET SUPPORT
	NAVAL SUPPLY DEPOT, GUAM	AGANA, GUAM	507	86	431	517	526	1586	SUPPLY SUPPORT
MIDWAY ISLANDS									
	NAVAL AIR FACILITY, MIDWAY	MIDWAY ISLAND	202	136	0	136	390	1535	FLEET SUPPORT
PUERTO RICO									
	NAVAL STATION, ROOSEVELT ROADS	ROOSEVELT RDS	202	2512	1268	3780	4172	32168	OPERATING BASE
	NAV SECURITY GRP, SAN JUAN	SABANA SECA	303	362	71	433	442	2618	COMMUNICATIONS

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acres	Major Unit-Activity-Function
Navy	* NAVAL FACILITY, ANTIGUA	ANTIGUA	303	77	*	77	119	132	OCEANOGRAPHIC RESEARCH
	* NAV COMSTA, HAROLD E HOLT	EXMOUTH	303	405	224	629	639	18155	COMMUNICATIONS
	* NAVAL AIR STATION, BERMUDA NAVAL FACILITY, BERMUDA TUDOR HILL LABORATORY	BERMUDA	202	1220	412	1632	1698	1426	PATROL AIRCRAFT OCEANOGRAPHIC RESEARCH TEST SITE
	* NAVAL FACILITY, ARGENTIA	ARGENTIA, N' LAND	303	414	121	535	586	9066	OCEANOGRAPHIC RESEARCH

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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
			CUBA						
	NAVAL STATION, GUANTANAMO BAY	GUANTANAMO BAY	202	2416	633	3049	3511	28817	OPERATING BASE
		DIEGO GARCIA							
	NAVAL SUPPORT FACILITY	DIEGO GARCIA	402	1661	75	1736	5014	7000	SUPPORT ACTIVITIES
		GREECE							
	NAV COMM STA, GREECE	NEA MAKRI	303	326	157	483	487	499	COMMUNICATIONS
	NAVAL SPRT ACTIVITY, SOUDA BAY	SOUDA BAY	402	166	22	188	202	101	NAVAL AIR/FLEET SUPPORT
		ICELAND							
	NAVAL STATION, KEFLAVIK	KEFLAVIK	202	3080	996	4076	4104	23344	FLT SUPPORT/PATROL AIRCRAFT
		ITALY							
	NAVAL AIR STATION, CATANIA	CATANIA	202	2904	438	3342	3659	404	PATROL/FLEET AIRCRAFT
	NAVAL HOSPITAL, NAPLES	NAPLES	508	276	89	365	368	6	HEALTH CARE
	NAVAL SUPPORT ACTIVITY, NAPLES	NAPLES	402	913	868	1781	1781	161	FLEET SUPPORT

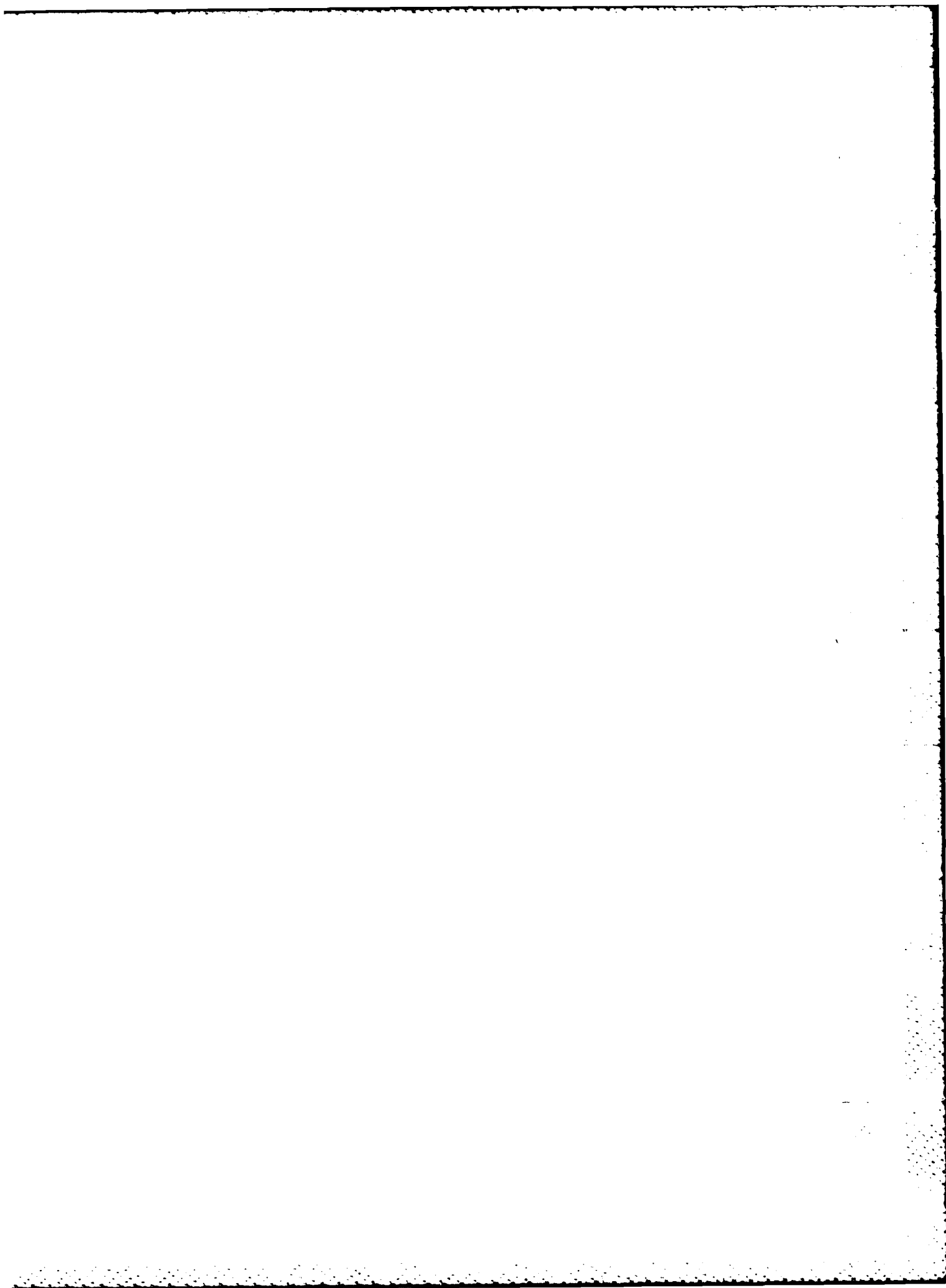
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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		NAVCAMS, MEDITERRANEAN	NAPLES	303	440	77	517	533		0 COMMUNICATIONS
		NAV SPT OFFICE, LA MADDALENA	SARDINIA	402	86	63	149	149		38 SUBMARINE SUPPORT
		JAPAN								
		NAVAL AIR FACILITY, ATSUGI	ATSUGI	202	665	597	1262	1262		1130 RECONNAISSANCE AIRCRAFT
		NAVAL HOSPITAL, OKINAWA	CHATAN, OKINAWA	508	521	265	786	786	*	HEALTH CARE
		NAVAL COMM FAC, OKINAWA	ONNA PT, OKINAWA	303	*	*	*	*	*	COMMUNICATIONS
		NAVAL FLEET ACTIVITIES, SASEBO	SASEBO	507	574	673	1247	1459		8400 ORDNANCE SUPPORT
		NAV COMM STA, JAPAN	YOKOSUKA	303	578	7	585	729		1167 COMMUNICATIONS
		NAV SHIP REPAIR FAC, YOKOSUKA	YOKOSUKA	507	72	1717	1789	1793	*	FLEET MAINTENANCE
		NAVAL FLEET ACTIVITY, YOKOSUKA	YOKOSUKA	402	15949	5716	21665	21673		3461 FLEET SUPPORT
		NAVAL HOSPITAL, YOKOSUKA	YOKOSUKA	508	340	28	368	368	*	HEALTH CARE
		NAVAL SUPPLY DEPOT, YOKOSUKA	YOKOSUKA	507	180	983	1163	1301		905 SUPPLY SUPPORT
		NAVY PUBLIC WKS CTR, YOKOSUKA	YOKOSUKA	507	36	1063	1099	1529		191 FACILITIES SUPPORT



improve this program.

AUXILIARY FORCES (300)

- Basing Requirements

The Air Force Systems Command (AFSC) is responsible for the research, development, production, and procurement actions necessary to acquire aerospace weapon systems and support systems essential to the Air Force mission. The command delivers complete, and operable systems to using commands such as Strategic Air Command, Tactical Air Command, and Military Airlift Command. To accomplish its mission, AFSC requires extensive test facility complexes for aircraft, missiles, and associated components to include runways, large areas of restricted airspace, numerous range and tracking facilities, and access to environmental testing facilities. Facilities for administration of test programs and the correlation of basic and applied research during weapons development are also required.

The mission of Air Force Communications Command (AFCC) is to provide the Air Force and the Department of Defense with service in communications, data automation, electronic and engineering installation, and air traffic control. For this tasking, AFCC requires facilities which permit ready access to interconnectivity with related commercial facilities. Other locations in relatively remote areas act as communications links.

- Announced Major Force Changes and Their Impact on Base Structure

Data automation and communications technologies are rapidly converging fields. The Air Force has recognized the need to initiate organizational changes to effectively manage the capabilities this convergence is offering. HQ AFCC has taken actions to integrate its traditionally separated data automation and communications-electronics functions into a consolidated information systems mission. To implement this new approach, the Air Force announced in January 1985 the formation of Information Systems (SI) staffs at Headquarters Air Training Command, Air Force Systems Command and Air Force Logistics Command. These SI staffs will provide information systems support to the MAJCOM commanders. Resources from the Continental Communications Division (CCD) at Griffiss AFB, NY will be used to implement these staffs and CCD will be inactivated. Additional manpower necessary for these staffs will be derived from existing using command and AFCC authorizations.

MISSION SUPPORT FORCES (400)

- Basing Requirements

Extensive facilities are required for mission support functions to properly sustain Air Force mission equipment and personnel. For example, medium range aircraft require refueling

transfer of selected Strategic Airlift assets to the ARF by converting the 439 Tactical Airlift Wing (AFRES) at Westover AFB, MA from 16 C-130E aircraft to 8 C-5 aircraft beginning in FY 1987. Two other reserve airlift squadrons will modernize within the C-130 force. The 357 Tactical Airlift Squadron (TAS) at Maxwell AFB, AL will convert from C-130E to C-130H aircraft and the 328 TAS at Niagara Falls will upgrade from C-130As to C-130Es. One ANG C-130 squadron, the 181 TAS at Dallas, will modernize from C-130Bs to C-130Hs. Two additional units, the 156 TAS at Charlotte, NC and the 167 TAS at Martinsburg, WV will grow from 8 to 12 C-130Bs.

Additionally, several C-141 units will reduce by 2-4 aircraft to accommodate the previously announced introduction of C-141 aircraft into the Air Reserve Forces. The Air Force Reserve will gradually be reducing the number of C-141 associate unit aircrews and maintenance at these various locations. An Air National Guard C-5 unit will be formed at Stewart Reserve Training Center, NY in FY 85. The unit will initially receive three C-5s in FY 4/85 and gradually build to 8 aircraft in FY 89. This is caused by the transfer of C-141s to the Air National Guard and Air Force Reserve units in Mississippi and Maryland, respectively. To enhance support of our Special Operations Forces, the 6th Weather Squadron will transfer from Tinker AFB, OK to Hurlburt Field in mid 1985.

Overseas, the Air Force continues to modernize and introduce new weapon systems. The EF-111A Electronic Combat Squadron at RAF Upper Heyford, UK, and the TR-1 Reconnaissance Squadron at RAF Alconbury, UK, will continue to increase their aircraft equipage. Ramstein AB, Germany will convert from the F-4 aircraft to the F-16 in 1986 thru 1987. The European Distribution System and associated Military Airlift Squadron (16 C-23 aircraft) have been activated. Introduction of the Ground Launched Cruise Missile (GLCM) to the European theater continues. Operational capability was achieved at RAF Greenham Common, UK and at Comiso AB, Italy. Beddown negotiations continue with remaining continental countries programmed to accept GLCM in the future. In the Western Pacific, an F-16 wing will return the permanent presence of U.S. tactical fighters to the Japanese main island for the first time since 1971. The F-16 introduction at Misawa AB, Japan will occur in late FY 85 with the activation of one squadron. The addition of a second squadron is anticipated in future years.

At Osan AB, Korea, the 19 Tactical Air Support Squadron will convert from the OA-37 to the OV-10 aircraft during FY 85. This will make the A-37 aircraft available for Foreign Military Sales and, in addition, 5 A-37s will go to the 24 Composite Squadron at Howard AFB, Panama to establish a Latin American Pilot Training Program.

Along with modernization, the Air Force is improving U.S. warfighting capability by prepositioning war readiness material overseas. Numerous actions are underway which will continue to

contingency plans. The need for combat dispersal must be considered along with a requirement to receive forces from the CONUS in time of crisis. The overseas base structure must maintain a capability to respond to changing tactical and strategic situations. The overseas base structure requires cooperation of host governments, hence basing requirements must be set in the context of international security policy.

- Announced Major Structure Changes and Their Impact on Base Structure

Two active duty CONUS based F-4 wings, the 31 TFW at Homestead AFB, FL, and the 347 TFW at Moody AFB, GA, will convert to the F-16 in 1986 and 1987 respectively. As it converts, Homestead will gain a second F-16 squadron, bringing it total active force posture to four squadrons (two F-16 and Two F-4). This second F-16 squadron will be sourced from Hill AFB, UT, which will draw down from four to three active duty squadrons. Replacing the active duty F-16 squadron at Hill AFB will be one Control and Reporting Center and two Forward Air Control Parties. An additional Forward Air Control Party will be based in the Tidewater, Virginia area. These three Tactical Air Control radar units are being drawn out of Europe as a part of active troop strength adjustments.

At Seymour Johnson AFB, NC, the Air Force will decrease active F-4 equipment by 24 aircraft in 1985 to meet budget and manpower constraints and to provide aircraft and assets to continue the expansion and modernization of the Air Reserve Forces (ARF). At Tyndall AFB, FL, the F-15 training mission introduced in 1984 will grow from 36 to 48 aircraft in 1986 to accommodate the continued expansion of the F-15 program with the conversions of fighter interceptor squadrons at Minot AFB, ND and Keflavik AB, Iceland in 1985, and the fighter interceptor squadron at Griffiss and the Air National Guard (ANG) fighter squadron at New Orleans in 1986. The latter action is especially noteworthy since New Orleans will be the first ARF unit to fly the F-15. A second ANG unit, the 128 Tactical Fighter Squadron (TFS) at Dobbins AFB, GA will be equipped with the F-15 in 1987.

Other ANG fighter changes will include conversions of the 141 TFS at McGuire AFB, NJ from 18 F-4D to 24 F-4E aircraft and conversion of three units from 18 F-4C to 24 F-4E aircraft. These units are the 163 TFS at Ft Wayne, ID, the 196 TFS at March AFB, CA, and the 110 TFS at St Louis, MO. Finally, introduction of F-16 aircraft into the 195 TFS at Tucson, AZ in a training role beginning in 1986 will provide the ANG with its first dedicated F-16 training capability. This is a logical extension of ongoing Air Force efforts to introduce the F-16 into the ARF which has included recent conversions at McEntire ANGB, SC (ANG) and Hill AFB, UT (AFRES) and the planned conversions at Kelly AFB, TX (ANG) in 1986, and Luke AFB, AZ (AFRES), Otis ANGB, MA (ANG), and Jacksonville IAP, FL (ANG) in 1987.

In airlift related actions, the Air Force will continue the

the OTH-B radar system to perform maintenance and antenna site support functions. This action reduced active duty manpower authorizations by approximately 600-700 authorizations for the three radar systems.

The Air Force is expanding the PAVE PAWS radar system with Southeast and Southwest sites and thereby providing increased warning for Sea Launched Ballistic Missiles (SLBMs). Ground breaking for the Southeast PAVE PAWS at Robins AFB, GA took place in May 1984. The Schleicher County ranch property (Blaylock Ranch) in the vicinity of Goodfellow AFB, San Angelo, TX was announced in August 1983 as the Southwest PAVE PAWS site. Ground breaking ceremonies took place in October 1984. The Air Force plans to implement the OTH-B concept of contract maintenance for the PAVE PAWS radars located at Beale AFB, CA and Otis AFB, MA. The Southeast and Southwest sites will also use contract maintenance.

GENERAL PURPOSE FORCES (200)

Basing Requirements

The nature of the tactical mission and its inherent equipment complexity requires considerable training facilities in the CONUS. Accessibility of weapons ranges, proximity to training airspace (to include supersonic capability), and suitable weather to conduct the large volume of training are necessary. CONUS units must conduct the training for the entire Tactical Air Forces as well as providing a ready source of deployable contingency response forces. This world-wide deployment tasking places some additional constraint on their basing posture since they should be conveniently aligned to support airlift and tanker forces. In addition, tactical forces which directly support the US Army, such as tactical air control units, should be located as close as possible to support the peacetime training requirements of the Army.

Airlift forces should be located adjacent to transportation and supply terminals to the maximum extent possible. East and west coast terminals within the CONUS are essential to maximize transoceanic payload capabilities. A consideration in tactical airlift basing is to locate some tactical airlift forces with or in proximity to Army airborne units to facilitate their support. Proximity to assault landing strips and drop zones is also essential for training of tactical airlift forces. For Air Reserve Force basing, an area which can provide an adequate recruitment base is also considered in selecting the location.

General purpose forces overseas are based according to strategic, tactical, and security policy considerations in addition to the usual CONUS basing criteria. Each base must be capable of efficient peacetime operation and be prepared to meet the mission requirements it is tasked to conduct in combat or contingency situations. Each type of mission has its own peculiar basing requirements according to current strategies and

the Air Force will also withdraw three HH-1 helicopters being used to support the Titan mission.

Finally, the Air Force will complete its development of the Strategic Training Range Complex (STRC) by announcing Belle Fourche, SD as the last fixed scoring site, making a total of six fixed locations. Like the other sites, Belle Fourche will provide Electronic Countermeasures (ECM) training, simulated weapons release scoring and low level penetration evaluation for Strategic Air Command (SAC) bomber crews. These locations, combined with their associated mobile sites, greatly enhance the quality of the training SAC crews receive. The fixed scoring site at Ft Drum, NY will deactivate in October, 1987.

Basing Requirements - Strategic Defense

For strategic defensive systems, factors such as enemy weapon system performance, likely targets, and routes of attack are considered in basing decisions. Related to these, there must be an assessment of warning time available, speed of reaction, and the probable time to intercept, identify, and destroy the enemy vehicle. After consideration of all factors involved, a determination is made of the most effective deployment area. Generally, this analysis will dictate a peripheral coverage of the Continental United States.

- Announced Major Force Structure Changes and Their Impact on Base Structure

The Air Force initiative to upgrade the Air Defense force structure continues. The modernization effort in the active force is aimed at replacing aging F-106 aircraft with the modern and more capable F-15 Eagle. The fighter interceptor squadron at McChord AFB, WA completed its transition to the F-15 late in 1983 and the fighter interceptor squadron at Minot AFB, ND is scheduled to convert in the spring of 1985. The fighter interceptor squadron at Griffiss AFB, NY will convert in 1986. Three Air National Guard air defense units are also programmed to modernize. In late 1986, the fighter interceptor squadron at Niagara Falls, NY will convert from F-4C to F-4D aircraft and, in 1987, the F-106 units at Otis ANGB, MA and Jacksonville IAP, FL will convert to the F-16.

The Air Force is moving ahead with the deployment of the Over-the-Horizon Backscatter (OTH-B) radar system. Bangor, ME is the site for the operations center and the system support for the East Coast OTH-B radar. The transmitter will be located at Moscow, ME and the receiver at Columbia, ME. The operations center for the West Coast OTH-B will be located at Mountain Home AFB, ID and system support for the transmitter and receiver will be provided from the Klamath Falls, OR area. The transmitter will be located at Buffalo Flat near Christmas Valley, OR and the receiver at Rimrock Lake near Alturas, CA. Planning for a south-looking radar system is continuing. In consideration of resource concerns, the Air Force has decided to use contractor support for

offensive forces. Flying weather, airspace congestion, runway facilities, maintenance facilities, support facilities, and munitions storage capacity are all factors in the basing decisions. For coastal bases, survivability can be enhanced through reposturing and dispersal to achieve the time needed to safely launch the force.

Other operational requirements such as targeting, ranging, and bomber/tanker mating must be considered when determining force beddown locations. Lateral support supplied to other commands, e.g., tactical aircraft contingency and overseas deployment refueling requirements, is also a necessary consideration. Some overseas basing also enhances strategic operational effectiveness.

- Announced Major Force Structure Changes and Their Impact on Base Structure

The Air Force has completed its study on basing plans for the B-1B strategic aircraft. In January 1983, the Air Force announced Dyess AFB, TX as the location for the first B-1B squadron, as well as the B-1B Combat Crew Training School. In February 1984, the Air Force announced Ellsworth AFB, SD as the second B-1B base. It has now been determined that Ellsworth's currently assigned B-52Hs will be moved to Fairchild AFB, and Fairchild's B-52Gs will be reassigned to Barksdale AFB, LA, Loring AFB, ME, and Mather AFB, CA. In February 1984, Grand Forks AFB was announced as the third B-1B base. To make room for these B-1Bs, Grand Forks' B-52Gs will be reassigned to Barksdale AFB, LA, Blytheville AFB, AR, Griffiss AFB, NY, and Wurtsmith AFB, MI. Also, in February 1984, the Air Force announced its fourth, and last B-1B location, McConnell AFB, KS. To make room for these B-1Bs, a portion of McConnell's KC-135s will be reassigned to other SAC bases.

Air refueling forces will be bolstered by the creation of three KC-10 reserve associate maintenance units. One unit will be activated at each KC-10 base, Barksdale AFB, LA, March AFB, CA, and Seymour Johnson AFB, NC, in late 1985.

The Administration has committed the United States to a program of strategic force modernization, including the modernization of the LBM force through development and deployment of the Peacekeeper missile. In keeping with that commitment, the Air Force intends to place a total of 100 Peacekeeper missiles in Minuteman III silos at F. E. Warren AFB, WY.

Titan II deactivation is proceeding as planned. Davis-Monthan AFB, AZ has completed its missile drawdown. McConnell AFB, KS started its deactivation during the summer of 1984 and will be complete by 1986. The third and last base, Little Rock AFB, AR, will commence its Titan II drawdown in 1985 and will be complete by 30 Sep 1987. As a result of the McConnell action,

III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

Force programming is dynamic and subject to many variables and revisions. Basing is closely tied to force posture and, thus, is also dynamic. Changes occur in response to altered assessments of the existing threat, force level and composition changes, revised deployment concepts and policies, the continuing impact of resource management efforts, and national political adjustments. Each change in force posture has the potential to cause additional base adjustments in training and logistical support areas. Thus, Air Force base structure may only be defined within the context of existing circumstances. A substantial change in these circumstances, e.g., a decision to reduce overseas forces, will require adjustments in the existing base structure. Timing of the introduction or expansion of a weapon system influences base selection, as do changes in force size and deployment concepts. In addition, base requirements for USAF weapon and support systems vary greatly due to differing weapon characteristics, operational support, and training requirements.

The ability to attain and maintain an operational posture which will insure national security and support legitimate international commitments continues to be a prime objective in Air Force deployment decisions. Base selection and development must not only support employment plans for major weapon systems (along with their required combat support capabilities), they must also provide for training requirements generated by those systems. This development must also consider related test and development activities, adequate personnel, logistics and communications support. The Air Force places considerable emphasis on attaining maximum economies in the base support area, thereby enabling a greater proportion of the defense dollar to be expended on direct combat capability.

Since each mission category has its own unique operational and training requirements which dictate the Air Force base structure, each will be discussed separately. The specific bases falling into each mission category, generally referred to as the IDPPC, are listed in Section IV.

STRATEGIC FORCES (100)

- Basing Requirements - Strategic Offense

In the basing of strategic offensive forces, careful consideration is given to geographic locations which maximize the survivability of the force. For example, USAF Inter-Continental Ballistic Missiles (ICBMs) require a sufficient area for adequate dispersal of launch sites. If Soviet submarine launched missiles are postulated to be the most critical threat against our bombers and tankers, then inland bases provide the greatest survivability due to the longer flight time of the missiles. This does not imply that only inland bases should be considered for strategic

Environment: All proposed major federal actions must be analyzed to determine if any of the activities associated with the action will cause a significant impact on the human environment or precipitate public controversy on environmental issues. Based upon this analysis, a "finding of no significant impact" is made or an environmental impact statement is prepared, filed with the Environmental Protection Agency, and circulated for government agency and public comment. These comments are incorporated into study documents used as an aid in decision making.

Mission Degradation: Realignment actions, by their very nature, result in turbulence both in personnel and in mission effectiveness. The degree of turbulence is a consideration if the resulting mission degradation is of such a proportion as to be significant. Certain activities cannot be allowed to "stand down" and, as a result, realignments of these activities require extraordinary measures to permit virtually instantaneous relocation. Also, work force composition is a consideration in that a highly specialized or unique work force of civilians may complicate relocation. These factors must be considered in evaluating realignment actions.

Workload versus base capacity can be similarly determined for other training and support activities.

Unfortunately, most potential changes are not the result of clearcut workloads and are difficult to quantify. For example, the flexibility of the base system to accommodate redeployment of forward deployed tactical units to the CONUS depends on many variables. Among these are type of unit, activity levels of the unit, as well as a determination as to whether they are to be retained as active duty forces or transferred to reserve status. In these instances, the underlying assumptions are subjective. Subjectivity notwithstanding, it is important that base realignment alternatives be weighed in terms of their potential to meet unprogrammed force changes.

Encroachment: Urban and airspace encroachment into vital areas surrounding installations is of continuing concern. Some installations which were originally built well away from the then existing population centers have subsequently attracted major growth and, as a result, now feel pressure from noise complaints, encroachment into runway clear zones, and the like. The potential for air traffic congestion must also be considered in basing programs. The increased civil and private air activity has reduced airspace potentially available for military operations. Encroachment, therefore, is an important element in determining the continuing viability of an installation and future base realignment actions.

A program to protect installations from encroachment is in progress. Under the Air Installation Compatible Use Zone - AICUZ program, planning data is provided an intergovernmental/interagency forum to reduce encroachment through comprehensive planning, zoning, real property rights, acquisitions, and similar activities. However, in areas where encroachment has become a major problem, its impact must be considered in developing future plans.

Budget: High cost, single mission installations with limited real estate and outmoded, functionally inefficient facilities are prime candidates for closure. Significant annual savings may result from the closure of such bases. However, the relative cost effectiveness must be determined on a case by case basis. Consolidation of missions to allow a base closure generally results in significant annual savings. These savings are offset in part or whole, however, by the investment required in unit move funds and in facilities needed to consolidate. Initial and annual savings must be weighed against the one-time construction and relocation costs of the various options. Consolidations which minimize the investment in new facilities while maximizing the annual savings may be considered. Again, large outlays in construction or equipment funds are generally not feasible and options which depend on such outlays should be avoided unless no other suitable alternative exists.

Additionally, the overall condition of the real property facilities at the base is an important element in the selection process. Relocating an activity to another base may be more appropriate if that activity is currently on an installation where most mission and support functions are housed in substandard and deteriorated facilities which would eventually have to be replaced even if the activity remained in place. It is generally more economical to construct a few additional facilities at a more modern base and consolidate missions rather than to replace numerous facilities and continue base operating costs at two bases.

An additional consideration is the extent a base's facilities support other activities or installations in the area. For example, if a base provides hospital, housing, and other support functions for surrounding installations, it may not be possible to completely close the base. As a result, savings from the realignment may be significantly less than at a base where all activities can be shut down and facilities declared excess.

Community Service: Civilian resources (e.g., community housing, medical, schools, and recreational facilities) are a consideration in developing base realignment actions. When possible, base realignment actions should take maximum advantage of existing civilian resources which can be used to support the assigned personnel. Of particular importance is family housing. Areas which have a residual capability to adequately house Air Force families not only negate the cost of providing government housing, but also facilitate rapid completion of the proposed realignment action. Conversely, areas in which community support facilities are limited place greater emphasis on the base housing and facilities. Adequate facilities, both on and off a base, are important in terms of personnel morale. The contribution of the civilian community in this area is very important.

Potential: Since future force requirements cannot be predicted with certainty and are subject to unprogrammed changes, flexibility must be maintained within the existing base posture. This entails developing reasonable assumptions on what force changes might occur and determining how the various basing options could support these changes. Future fighter systems, for example, will have an increasing requirement for training in the supersonic regimes of flight. Closing a base with good access to supersonic flying airspace would thus be short sighted.

Flexibility is a subjective consideration, although some instances do lend themselves to objective analysis. For example, for pilot production, capacity at each undergraduate pilot training base can be determined. Based on the required levels of pilot production, the degree of flexibility (unused production capacity) within the system can be determined, and the system's surge capacity can be calculated. As a result, the degree of flexibility in the system can be predicted and controlled.

bases which have constraints such as airspace limitations, encroachment of civilian activities, limited real estate, inadequate community services and poor facilities should logically be considered for closure prior to bases which have the potential to accommodate additional or new missions.

CRITERIA: (Developed from the above major considerations)

Geographic Location: The geographic location of an installation influences the ability of assigned forces to execute their mission. Geographic factors include weather, availability of training areas, proximity to employment/deployment routes, survivability, airspace availability and transportation networks. For each mission, there are optimum geographic locations which provide maximum operational effectiveness. See Section III for additional discussion.

Facility Availability: A goal in realignment actions is maximum use of existing facilities and minimum expenditure for new facilities. Mission related facilities as well as support facilities must be considered. An operational flying activity, for example, will require a runway complex (with specific width, length, and load bearing capacity), capacity for aircraft parking, and a maintenance complex capable of supporting the assigned aircraft (e.g., proper size docks and hangars, sufficient communications-electronics and avionics maintenance space, etc.). Conversely, for administrative and headquarters activities, the proper amount of administrative space is essential. For non-flying training activities, classroom and student housing are key factors. For all actions, availability of housing (bachelor and family) for any increase in population is a significant element.

Certain unique facility requirements are generated by intelligence, communications, logistics, and research and development activities. Laboratories, facilities which must be shielded from electronic emissions, and the like are expensive and time consuming to construct. Relocation to installations which do not have facilities available to accommodate these functions may not be feasible due to the cost and time constraints. Also, due to mission requirements, these facilities must often be duplicated and operational prior to shutting down the current activity. This creates a temporary, expensive, redundant requirement for both facilities and equipment. Similar circumstances exist in relocating some flying missions, such as strategic airlift which requires large terminal complexes to receive and process cargo and passengers.

Facility requirements for small missions may generally be met with only minor modifications. This is particularly true if the unit's equipment has no special storage or maintenance requirements. Requirements for administrative space can be met in various ways such as conversion of excess space in other functional areas; however such action may not be cost effective and may limit future flexibility.

demands on airspace, range requirements, deployment and employment routes, availability of lines of communications, survivability, and facility requirements.

The current base posture reflects a force beddown in which the forces' operational and training requirements are best supported. The entry of new weapon systems into the Air Force inventory may, however, require changes to that base posture. Threat reassessment, loss of training areas, encroachment and the like may require force realignment also. In each case, the Air Force seeks to continually optimize its base posture consistent with its overall force requirements. These requirements will be summarized in Section III under the appropriate Installation Defense Planning and Programming Category (IDPPC).

Force Deployment: The Air Force's force structure is based on national strategy. This strategy determines not only potential geographical areas in which U. S. forces would be used, but also which forces would be deployed or employed from the Continental United States (CONUS). The number and type of bases required to support these forces, both overseas and in the CONUS, directly relate to our ability to meet our strategic goals.

Use of Multi-mission Bases: A major expense of each installation is the cost of resources required to "open the door," i.e., the fixed base operating support resources such as facilities, manpower, and materials required because of the mere existence of the installation. These costs (road repair, for example) are relatively insensitive to changes in the assigned mission. Variable base operating support resources are adjusted to support requirements of the assigned missions. When missions are compatible and facilities available or obtainable, collocating two or more can often reduce costs. For example, a support mission, such as a logistics depot, may be co-based with an operational unit, such as a tactical fighter wing. Additionally, missions which have a relatively small number of personnel and equipment may be most economically accommodated on bases which have major missions.

Although multi-mission bases are economical, the Air Force must also consider the compatibility of assigned missions. Collocations which create competition for scarce resources (such as gunnery range availability) may save support dollars but could increase operational costs or adversely affect combat readiness. Additionally, with too many minor missions assigned to any given installation, closing that installation may become quite difficult if the base's major mission is removed. In this sense, multi-mission bases may actually inhibit future flexibility.

Future Flexibility: Realignment actions which result in base closures limit future flexibility to meet programmed and unprogrammed force adjustments. Consequently, bases selected for closure should be those with the least flexibility to absorb future requirements. If flexibility were the sole determinant,

II. BASE STRUCTURE OVERVIEW

The Air Force base posture has been carefully structured to support the assigned forces. Since forces are a dynamic element, supporting base posture is also dynamic. As forces evolve, base requirements change and realignments in the base posture are required. The major considerations and criteria used to determine individual base viability are operational suitability, geography, facilities, environment, and economic parameters. Ultimately, however, all base realignments must be carefully weighed against the overall mission requirements of the Air Force and future basing flexibility.

The Air Force strives to maintain an optimum base structure to support the currently assigned and projected forces. For example, as force levels were reduced during recent years the number of Air Force bases was also reduced. Other management actions, such as mission transfers to the Air Reserve Forces, have also contributed to what has been a declining number of installations. As Air Force base requirements are evaluated, the most effective installations are selected for retention based upon specific considerations and criteria.

MAJOR CONSIDERATIONS AND CRITERIA:

In determining the effectiveness of an installation, major consideration must be given to operational and training requirements, force deployment, use of multi-mission bases, and future flexibility.

These considerations evolved into a broad set of criteria which is used by the Air Force in developing and evaluating base realignment proposals. They are: geographic location, facilities availability and condition, community services available for Air Force activities/population, potential to accommodate future force requirements, existing or future encroachment which might impact Air Force operations, budgeting considerations inherent in the proposed realignment action, possible adverse environmental impact, and mission degradation as a result of force turbulence.

The above criteria cannot be weighed independently in reaching basing decisions; rather, they have to be evaluated as a whole to achieve an optimum balance. To amplify this point, a discussion of the four major considerations and the resultant criteria is provided below.

MAJOR CONSIDERATIONS:

Operational and Training Requirements: Since Air Force base posture exists to support the missions of the assigned forces, the ability of each base to meet its assigned force's unique operational and training requirements is of paramount importance. Each force element, such as strategic offense, tactical fighter, strategic airlift, or training places unique

AIR FORCE BASE STRUCTURE

I. INTRODUCTION

The Air Force Base Structure Chapter to the Manpower Requirements Report for FY 1986 is submitted in accordance with Section 138, Title 10, United States Code. Section II, Base Structure Overview, describes the criteria used by the Air Force to determine the Air Force base structure. It also includes historical data on the base structure and related manpower trends. Section III relates the needs of the major activities within each Installation Defense Planning and Programming Category (IDPPC) to the current base structure. Major changes to the FY 1986 force structure and their impact on the base structure are also described in Section III. Section IV details projected Air Force base operating costs for FY 1986. Section V summarizes recent major actions taken to reduce base operating costs and also describes some alternatives that the Air Force is pursuing in this area. Finally, Section VI consists of the listing of Air Force installations, activities, and properties comprising the base structure.

The IDPPC classification system considers only the primary mission at multimission installations. At installations where more than one significant mission exists, the Air Force has subjectively determined the primary mission.

stops on transoceanic flights. These installations must have runways of sufficient length and weight bearing capacities to support the transient aircraft and must have adequate billeting and other services available for transient personnel.

- Announced Major Force Changes and Their Impact on Base Structure

There are no major force changes.

CENTRAL SUPPORT FORCES (500)

- Basing Requirements

The mission of the Air Force Logistics Command (AFLC) is to provide responsive, effective, and economical support to meet the wide variety of missions assigned to the United States Air Force. To accomplish these tasks effectively, logistic support installations must be adjacent to transportation network terminals and facilities to enable rapid support. Extensive warehousing, open storage and aircraft maintenance facilities, plus facilities for automated requisitioning, procurement, and associated data storage activities are essential.

Air Training Command requires the availability of extensive classroom, library, and study facilities. Secure training facilities are required when training is being conducted on classified systems. Extensive medical facilities are required at bases where a primary function is medical support.

The location of flying activities within areas of favorable flying weather and adjacent to unrestricted areas of airspace is essential for undergraduate pilot training (UPT) bases. Three parallel runways are highly desirable for main training bases, with auxiliary fields within a short distance from the main base.

- Announced Major Force Changes and Their Impact on Base Structure

The Air Force plans to modernize its aging T-37 primary jet trainer fleet by replacing them with T-46 aircraft. The new aircraft will operate more efficiently than the T-37 aircraft. The first beddown location for the T-46 is Laughlin AFB, TX. Delivery will begin in FY 86.

The Air Force plans to consolidate all intelligence training at Goodfellow AFB, Texas beginning in FY 1987. This action will promote realistic training and support multi-functional intelligence and operational systems. The movement of intelligence training (general intelligence, imagery and electronic intelligence) to Goodfellow makes space available for new and increased training requirements, including space systems training at Lowry AFB, computer related training at Keesler AFB, and an increased intelligence mission at Offutt AFB.

IV. BASE OPERATING COSTS FOR FY 86

A summary of the estimated FY 1986 cost (\$ million) for Air Force Base Operating Support follows.

Base operating costs identified in this section are not limited to those major installations described in Section VI, but include all Air Force property included in the real property inventory.

Base operating costs as defined here include military family housing and military construction costs as well as the recurring operating costs such as utilities, facilities maintenance, and other support activities. Users are cautioned that military family housing and military construction costs vary among bases for different reasons than do the recurring costs included here. Therefore, base operating costs, defined as these are, would not be suitable for comparisons among bases.

Additional details related to Air Force management of base operating support functions can be obtained from the Air Force study entitled, Air Force Management of Base Operating Support Functions. This study describes the relationship of Air Force base operating support functions to the Air Force combat capability and outlines how the Air Force is organized to conduct base operating support activities.

TABLE XI

MAJOR DEFENSE PROGRAMS
AIR FORCE BASE OPERATIONS
SUPPORT COSTS (\$MILLIONS)

<u>MAJOR DEFENSE PROGRAMS</u>	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES and POSSESSIONS</u>	<u>FOREIGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	2,231.0	36.3	34.6	2,301.9
General Purpose (02)	1,570.9	.1	1,990.0	3,561.0
Intell. & Comm. (03)	49.4	—	52.0	101.4
Air/Sealift (04)	1,024.4	—	43.0	1,067.4
Guard & Reserve (05)	472.4	1.7	—	474.1
Research & Develop (06)	106.0	—	—	106.0
Cent. Supply & Maint. (07)	1,007.2	—	.2	1,007.4
Trng. Med. & Other Personnel (08)	1,038.0	2.1	26.3	1,066.4
Admin. & Assoc. (09)	49.4	—	—	49.4
Spt. of Other Nations (10)	—	—	—	—
Subtotal	7,548.7	40.2	2,146.1	9,735.0
Construction	1,508.1	—	573.9	2,082.0
Family Housing Operations and Maintenance	511.4	—	418.0	929.4
Total	9,568.2	40.2	3,138.0	12,746.4

V. ACTIONS TO REDUCE ANNUAL BASE OPERATIONS COSTS

The Air Force continues an active program to promote management efficiencies and to consolidate and eliminate missions and activities in order to reduce base operations costs.

1. The Air Force has signed a joint procurement agreement with the Federal Aviation Administration (FAA) to purchase three-dimensional radar replacements for Joint Surveillance System (JSS) sites, beginning in 1989. This 3-D Radar Replacement Program will enable the Air Force to transfer ownership of 9 military-only JSS sites to the FAA resulting in savings of 1017 manpower spaces and a cost avoidance of \$35 million. While waiting for implementation of this program, the Air Force is pursuing other cost-savings measures. A minimally-attended, contract-maintained FPS-117 radar was installed at Gibbsboro AFS, NJ in January 1985, which allowed reallocation of 85 manpower spaces. Additionally, the JSS site at North Truro AFS, MA will be transferred to the FAA in July 1985 resulting in another 85 manpower spaces available for reallocation. The Air Force has requested that the FAA investigate the feasibility of assuming ownership of other military radar sites prior to installation of the 3-D replacement in 1989.
2. The Defense Relocation Account is a program, in which the Air Force actively participates, designed to save defense dollars through consolidation/relocation of missions or functions. Three projects have been approved by OSD for FY 86 and approximately \$11.9 million will be added to the FY 86 President's Budget for Congressional approval. One project involves \$10.9 million for a Systems Management Engineering Facility at Hanscom AFB, MA. The project relocated an Electronic Systems Command division from Bedford, MA to Hanscom AFB and has a four and a half year payback period. The other two projects involve the relocation of recruiting squadron support facilities from St Louis, MO and Milwaukee, WI to Scott AFB and Billy Mitchell Field respectively. The relocation to Scott AFB has a six year payback and the Billy Mitchell Field relocation has a four year payback.
3. The Air Force implemented the Executive Order 12348 real property review program by surveying 34 major installations in calendar year 1983 and an additional 14 installations in 1984. The Air Force team surveys installations in high growth metropolitan areas to identify excess property which could be sold. The proceeds of the sales go toward the reduction of the national debt. The program has added benefits in that reducing the land holdings also reduces the installation's grounds maintenance costs and places this property on the surrounding communities' tax rolls. The program will continue in 1985 but the General Services Administration will again assume primary responsibility for the surveys with Air Force representation on each survey.

4. As an active participant in the DASD/MIL(I) Model Installation Program, the Air Force is trying new, innovative base management techniques at a few Air Force bases. Goals of the test program include decentralizing regulative authority in order to increase efficiency in the provision of base support services and to upgrade living and working conditions for Air Force people. Success of the first year's operation has prompted an expansion of the program. Installations being introduced into the program in 1985 include an Air Logistics Center, a Technical Training Center, and a overseas base.

SECTION VI
AIR FORCE BASE STRUCTURE

TABLE XII

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
STRATEGIC (101)	96	1	3	100
INTELLIGENCE AND COMMUNICATIONS (103)			1	1
GUARD AND RESERVE (105)	10			10
RESEARCH AND DEVELOPMENT (106)	6	1		7
GENERAL PURPOSE (202)	50	1	39	90
AIRLIFT/SEALIFT FORCES (204)	16		2	18
GUARD AND RESERVE (205)	113	1		114
INTELLIGENCE AND COMMUNICATIONS (303)	4		3	7
RESEARCH AND DEVELOPMENT (306)	30			30
CENTRAL SUPPLY AND MAINTENANCE (EASTERN TEST RANGE) (307)	3			3
STRATEGIC (401)	1			1
GENERAL PURPOSE (402)	5		5	10
CENTRAL SUPPLY AND MAINTENANCE (507)	35		1	36
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	30			30
ADMINISTRATION AND ASSOCIATED ACTIVITIES (509)	2			2
TOTAL AIR FORCE	401	4	54	459

Note: Summary excludes 5 DoD Agency installations in the 50 States which are included in the Air Force list.

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AIR FORCE BASE STRUCTURE

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United States
FY 1986

AUTHORIZED MANPOWER
FULL-TIME PERMANENTLY
ASSIGNED

State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers	Total Acreage	Major Unit-Activity-Function
Air Force										
ALABAMA										
		BIRMINGHAM MUNICIPAL AIRPORT	BIRMINGHAM	205	6	362	368	1303		81 AIR NATIONAL GUARD ACTIVITIES
		HALL ANG STATION	DOTHAN	205	1	44	45	186		17 AIR NATIONAL GUARD ACTIVITIES
		MARTIN ANG STATION	GADSDEN	205	4	37	41	209		7 AIR NATIONAL GUARD ACTIVITIES
		DANNELLY FIELD	MONTGOMERY	205	4	341	345	1233		53 AIR NATIONAL GUARD ACTIVITIES
		GUNTER AFS	MONTGOMERY	508	1306	920	2226	2328		392 AF DATA SYSTEMS DESIGN CENTER
		HUNTER LOOP COMM FAC ANNEX	MONTGOMERY	508	*	*	*	*		37 COMMUNICATIONS
		MAXWELL AFB	MONTGOMERY	508	2377	1678	4055	5016		3876 AIR UNIVERSITY
		MAXWELL COMM ANNEX	MONTGOMERY	303	*	*	*	*		6 COMMUNICATIONS
ALASKA										
		ANCHORAGE IAP ADMIN ANNEX	ANCHORAGE	101	5	*	5	5		285 GENERAL SUPPORT ANNEX
		ELMENDORF AFB	ANCHORAGE	101	6296	1443	7739	8152		13128 21 COMPOSITE WING
		KULIS ANG BASE	ANCHORAGE	105	2	239	241	789		101 AIR NATIONAL GUARD ACTIVITIES
		CLEAR MISSILE EARLY WARNING ST ANDERSON		101	122	67	189	472		34638 ELECTRONICS SITE
		ALAIID ISLAND ANNEX	ATKA	306	*	*	*	*		1 GENERAL SUPPORT ANNEX
		ATTU RESEARCH SITE	ATKA	306	*	*	*	*		3 R&D ACTIVITIES
		SHEMYA AFB	ATKA	303	619	27	646	685		3520 6 STRATEGIC WING, DET 1
		COLD BAY AIR FORCE STATION	COLD BAY	101	*	*	*	12		198 ELECTRONICS SITE

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AIR FORCE BASE STRUCTURE

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United States
FY 1986

AUTHORIZED MANPOWER
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State Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreege	Major Unit-Activity-Function
	MURPHY DOME AIR FORCE STATION	COLLEGE	101	*	*	*	8	1136	ELECTRONICS SITE
	FORT GREELY AIR FORCE RANGE	DELTA JUNCTION	101	*	*	*	*	*	RANGE
	BARTER ISLAND DEW STATION	FAIRBANKS	101	1	*	1	103	4353	ELECTRONICS SITE
	BLAIR LAKE WRG	FAIRBANKS	101	*	*	*	*	33964	RANGE
	CHENA RIVER RESEARCH SITE	FAIRBANKS	306	*	*	*	*	4906	R&D ACTIVITIES
	LONELY DEW STATION	FAIRBANKS	101	*	*	*	11	2830	ELECTRONICS SITE
	OLITKOK DEW STATION	FAIRBANKS	101	*	*	*	11	2325	ELECTRONICS SITE
	POINT BARROW DEW STATION	FAIRBANKS	101	*	*	*	42	268	ELECTRONICS SITE
	POINT LAY DEW STATION	FAIRBANKS	101	*	*	*	11	1442	ELECTRONICS SITE
	WAINWRIGHT DEW STATION	FAIRBANKS	101	*	*	*	11	1185	ELECTRONICS SITE
	BURNT MTN RESEARCH SITE	FORT YUKON	306	*	*	*	*	108	R&D ACTIVITIES
	FORT YUKON AIR FORCE STATION	FORT YUKON	101	*	*	*	12	328	ELECTRONICS SITE
	CAMPION AIR FORCE STATION	GALENA	101	*	*	*	3	2395	ELECTRONICS SITE
	GALENA AIRPORT	GALENA	101	311	15	326	376	173	FORWARD FIGHTER BASE
	CAPE ROMANZOF AF STATION	HOOVER BAY	101	*	*	*	16	4900	ELECTRONICS SITE
	INDIAN MTN AIR FORCE STATION	HUGHES	101	*	*	*	15	4226	ELECTRONICS SITE
	INDIAN MTN RESEARCH SITE	HUGHES	306	*	*	*	*	447	R&D ACTIVITIES
	SPARREVOHN AIR FORCE STATION	ILIAMNA	101	*	*	*	14	1179	ELECTRONICS SITE
	KENAI AIRPORT	KENAI	402	*	*	*	*	6	GENERAL SUPPORT ANNEX
	KOTZEBUE AIR FORCE STATION	KOTZEBUE	101	*	*	*	13	596	ELECTRONICS SITE
	TATALINA AIR FORCE STATION	MCGRATH	101	*	*	*	16	4970	ELECTRONICS SITE

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ARIZONA	KING SALMON AIRPORT	NAKNEK	101	281	20	301	352	86	FORWARD FIGHTER BASE	
	EIELSON AFB	NORTH POLE	101	3556	334	3890	4111	19798	6 STRATEGIC WING	
	CAPE NEWENHAM AF STATION	PLATINUM	101	*	*	*	15	2359	ELECTRONICS SITE	
	CAPE LISBURNE AF STATION	POINT HOPE	101	*	*	*	15	1125	ELECTRONICS SITE	
	TIN CITY AIR FORCE STATION	WALES	101	*	*	*	15	754	ELECTRONICS SITE	
	WILLIAMS AFB	CHANDLER	508	2888	685	3573	3965	4736	82 FLYING TRAINING WING	
	COOLIDGE/FLORENCE AIRPORT	COOLIDGE	508	*	*	*	*	5	AUXILIARY TRAINING FIELD	
	GILA BEND AAF	GILA BEND	202	*	*	*	41	1886	AUXILIARY TRAINING FIELD	
	LUKE WRG	GILA BEND	202	*	*	*	*	2673467	RANGE	
	HOLBROOK RADAR BOMB SCORE SITE	HOLBROOK	202	*	*	*	*	8	BOMB SCORING SITE	
ARKANSAS	LUKE AFB	LITCHFIELD PARK	202	5366	999	6365	6982	4198	58 TACTICAL TRAINING WING	
	PHOENIX ANG STA	PHOENIX	205	1	*	1	1	12	AIR NATIONAL GUARD ACTIVITIES	
	SKY HARBOR IAP	PHOENIX	205	1	283	284	965	51	AIR NATIONAL GUARD ACTIVITIES	
	RITTENHOUSE AAF	RITTENHOUSE	508	*	*	*	*	764	AUXILIARY TRAINING FIELD	
	AIR FORCE PLANT 44	TUCSON	507	6	99	105	105	2174	PRODUCTION-MISSILES (C)	
	DAVIS MONTHAN AFB	TUCSON	202	5203	1282	6485	6756	15189	355 TACTICAL FIGHTER WING	
	TUCSON INTERNATIONAL AIRPORT	TUCSON	205	21	535	556	1485	49	AIR NATIONAL GUARD ACTIVITIES	
	LUKE 01 AAF	WITTMAN	202	*	*	*	*	1109	AUXILIARY FIELD	

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	BLYTHEVILLE AFB	BLYTHEVILLE	101	2958	314	3272	3360	3736	97 BOMBARDMENT WING
	FORT SMITH MUNICIPAL AIRPORT	FORT SMITH	205	1	301	302	1051	95	AIR NATIONAL GUARD ACTIVITIES
	HOT SPRINGS MEMORIAL FIELD	HOT SPRINGS	205	1	23	24	138	12	AIR NATIONAL GUARD ACTIVITIES
	LITTLE ROCK AFB	JACKSONVILLE	204	6500	883	7383	8364	11295	314 TACTICAL AIRLIFT WING
CALIFORNIA									
	GEORGE AFB	ADELANTO	202	5525	465	5990	6258	5347	35 TACTICAL FIGHTER WING
	POINT ARENA AIR FORCE STATION	ANCHOR BAY	402	2	38	45	52	90	GENERAL SUPPORT ANNEX
	COYOTE FLATS AIR STRIP	BISHOP	306	*	*	*	*	851	HIGH ALTITUDE TEST LANDING
	KRAMER RADAR ANNEX	BORON	101	*	*	*	*	160	ELECTRONICS SITE
	COMPTON ANG STATION	COMPTON	205	*	*	*	3	1802	AIR NATIONAL GUARD ACTIVITIES
	LOS ANGELES AFS	EL SEGUNDO	306	1842	1318	3160	3556	95	SPACE & MISSILE SYSTEMS ORG
	TRAVIS AFB	FAIRFIELD	204	8299	2246	10545	13815	8165	60 MILITARY AIRLIFT WING
	MCCLELLAN STORAGE ANNEX	FOLSOM	507	*	*	*	*	52	STORAGE ANNEX
	FRESNO ANG BASE	FRESNO	105	*	373	373	1145	139	AIR NATIONAL GUARD ACTIVITIES
	PILLAR POINT AIR FORCE STATION	HALF MOON BAY	402	*	*	*	*	47	GENERAL SUPPORT ANNEX
	HAYWARD MUNICIPAL AIRPORT	HAYWARD	205	3	41	44	329	41	AIR NATIONAL GUARD ACTIVITIES
	CUDEBACK LAKE WRG	JOHANNESBURG	202	*	*	*	*	7584	RANGE
	LINCOLN COMM ANNEX	LINCOLN	507	*	*	*	*	356	COMMUNICATIONS
	VANDENBERG AFB	LOMPOC	106	4171	1528	5699	7808	98834	SPACE & MISSILE TEST CENTER
	LOS ANGELES AF OI ANNEX	LOS ANGELES	306	*	*	*	*	4	R&D ACTIVITIES

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		SAN PEDRO HILLS AFS	LOS ANGELES	101	6	1	7	7	31	ELECTRONICS SITE
		BEALE AFB	MARYSVILLE	101	4321	528	4849	4962	23252	9 STRATEGIC RECON WING
		CASTLE AFB	MERCED	101	5744	425	6169	6283	3256	93 BOMBARDMENT WING
		MILL VALLEY AFS	MILL VALLEY	101	6	1	7	7	106	666 RADAR SQUADRON
		MT LAGUNA AFS	MT LAGUNA	101	*	*	*	*	12875	1 RADAR SQUADRON
		NORTH HIGHLANDS FACILITY	N SACRAMENTO	205	4	37	41	206	9	AIR NATIONAL GUARD ACTIVITIES
		NORWALK DEF FUEL SUPPORT PT	NORWALK	507	*	*	*	*	63	POL SUPPLY SITE
		ONTARIO INTERNATIONAL AIRPORT	ONTARIO	205	1	24	25	231	39	AIR NATIONAL GUARD ACTIVITIES
		AIR FORCE PLANT 42	PALMDALE	507	*	*	*	*	5538	PRODUCTION-AIRCRAFT PARTS (C)
		MARCH COMM ANNEX	PERRIS	101	*	*	*	*	160	COMMUNICATIONS
		CAMP PARKS COMM ANNEX	PLEASANTON	306	*	*	*	*	12	COMMUNICATIONS
		MATHER AFB	RANCHO CORDOVA	508	4358	1191	5549	6547	5934	323 FLYING TRAINING WING
		EDWARDS AFB	ROSAMOND	306	4176	2440	6616	7311	307558	AF FLIGHT TEST CENTER
		MCCLELLAN AFB	SACRAMENTO	507	3688	13639	17327	19077	3690	AIR LOGISTICS CENTER
		NORTON AFB	SAN BERNARDINO	204	5766	2803	8569	11027	2376	63 MILITARY AIRLIFT WING
		AIR FORCE PLANT 19	SAN DIEGO	507	*	*	*	*	70	PRODUCTION-AIRCRAFT PARTS (C)
		MARCH AFB	SUNNYMEAD	101	4033	1262	5295	6604	8456	22 BOMBARDMENT WING
		SUNNYVALE AIR FORCE STATION	SUNNYVALE	306	991	328	1319	1752	23	R&D ACTIVITIES
		VAN NUYS AIRPORT	VAN NUYS	205	6	401	407	1594	62	AIR NATIONAL GUARD ACTIVITIES

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CONNECTICUT	BUCKLEY ANG BASE		AURORA	205	591	394	985	1940	2365	AIR NATIONAL GUARD ACTIVITIES
	CHEYENNE MOUNTAIN COMPLEX		COLORADO SPGS	101	1494	294	1788	1975	591	COMMUNICATIONS, CMD & CONTRC..
	PETERSON AFB		COLORADO SPGS	401	2194	892	3086	3965	1796	AEROSPACE DEF CMD HQ&46 AD W3
	US AIR FORCE ACADEMY		COLORADO SPGS	508	7190	1937	9127	9573	18328	OFFICER ACQUISITION TRAINING
	LOWRY AFB		DENVER	508	3910	4175	8085	8718	5781	TECHNICAL TRAINING CENTER
	LA JUNTA RADAR BOMB SCORE SITE	LA JUNTA		202	121	1	122	122	6	BOMB SCORING SITE
	LAMAR COMMUNICATIONS FAC ANNEX	LAMAR		101	9	1	10	10	95	ELECTRONICS SITE
	MARTIN MISSILE TEST SITE 1	LITTLETON		507	*	*	*	*	464	PRODUCTION-MISSILE PARTS (C)
DELAWARE	ORANGE ANG COMMUNICATION STA	NEW HAVEN		205	1	43	44	186	30	AIR NATIONAL GUARD ACTIVITIES
	BRADLEY INTERNATIONAL AIRPORT	WINDSOR LOCKS		205	2	289	291	993	158	AIR NATIONAL GUARD ACTIVITIES
	DOVER AFB	DOVER		204	5041	1404	6445	8188	3740	436 MILITARY AIRLIFT WING
DIST OF COLUMBIA	GREATER WILMINGTON AIRPORT	NEWPORT		205	1	239	240	903	57	AIR NATIONAL GUARD ACTIVITIES
	PORT MAHON POL ANNEX	NEWPORT		507	*	*	*	*	5	SUPPLY SITE
	BOLLING AFB	WASHINGTON		509	3058	1049	4107	4307	606	HQ USAF SUPPORT
FLORIDA	BOLLING COMM ANNEX	WASHINGTON		509	*	*	*	*	1	COMMUNICATIONS

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	AVON PARK AAF		AVON PARK	202	2	5	7	7	5181	AUXILIARY FIELD
	AVON PARK WRG		AVON PARK	202	211	83	294	320	101029	RANGE
	JACKSONVILLE IAP		CALLAHAN	105	2	348	350	1129	158	AIR NATIONAL GUARD ACTIVITIES
	COCOA BEACH COMM ANNEX		COCOA BEACH	307	*	*	*	*	2	COMMUNICATIONS
	PATRICK AFB		COCOA BEACH	307	4143	1749	5892	7825	2342	AF EASTERN TEST RANGE
	EDLIN AAF 3		CRESTVIEW	202	309	270	579	1503	596	SPECIAL OPERATIONS GROUP
	HOMESTEAD AFB		HOMESTEAD	202	4808	1025	5833	7429	3376	31 TACTICAL FIGHTER WING
	HOMESTEAD COMM ANNEX		HOMESTEAD	202	*	*	*	*	20	COMMUNICATIONS
	HOMESTEAD TNG ANNEX		HOMESTEAD	202	*	*	*	*	3	TRAINING SITE
	LYNN HAVEN DEF FUEL SUPPORT PT		LYNN HAVEN	507	*	1	1	30	203	POL SUPPLY SITE
	EDLIN AAF 10		MILTON	202	*	*	*	*	173	AUXILIARY FIELD
	EDLIN AAF 6		MILTON	202	286	44	330	333	629	AUXILIARY FIELD
	EDLIN AAF 2		NICEVILLE	202	*	*	*	*	752	AUXILIARY FIELD
	JACKSONVILLE AFS		ORANGE PARK	101	*	348	348	348	2	679 RADAR SQUADRON
	TRINITY AFB		PANAMA CITY	101	4633	1022	5655	5922	29151	AIR DEFENSE WEAPONS CENTER
	CAUDON KEY AIR FORCE STATION		PERKY	306	16	*	16	16	70	ELECTRONICS SITE
	RICHMOND AFS		PERRINE	101	6	1	7	7	141	644 RADAR SQUADRON
	CAPE CANAVERAL AIR FORCE STA		PORT CANAVERAL	307	126	174	300	2285	15424	EASTERN TEST RANGE
	MACDILL AFB		TAMPA	202	6604	894	7498	7890	5768	56 TACTICAL FIGHTER WING
	EDLIN 09/HORNBURT AAF		VALPARISO	202	3707	324	4031	4035	1092	1 SPECIAL OPERATIONS WING
	EDLIN AFB		VALPARISO	306	8750	3681	12431	14108	463704	ARMAMENT DEVELOPMENT TEST CIR

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TEXAS		NASHVILLE METROPOLITAN AIRPORT	NASHVILLE	205	7	356	363	1362	66	AIR NATIONAL GUARD ACTIVITIES
		MEMPHIS INTERNATIONAL AIRPORT	OAKVILLE	205	3	246	249	893	226	AIR NATIONAL GUARD ACTIVITIES
		DYESS AFB	ABILENE	101	4866	433	5299	5435	7114	96 BOMBARDMENT WING
		ODESSA RADAR SITE	ANDREWS	101	*	*	*	*	1	ELECTRONICS SITE
		BERGSTROM AFB	AUSTIN	202	4820	936	5756	7071	3936	67 TACTICAL RECON WING
		REESE AAF	BROWNFIELD	508	*	*	*	*	520	AUXILIARY TRAINING FIELD
		CASTROVILLE MAP	CASTROVILLE	508	*	*	*	*	1	AUXILIARY FIELD
		LAUGHLIN AFB	DEL RIO	508	2431	551	2982	3203	5331	47 FLYING TRAINING WING
		CARSWELL AFB	FORT WORTH	101	4996	940	5936	7333	3264	7 BOMBARDMENT WING
		AIR FORCE PLANT 4	FT WORTH	507	34	280	314	314	515	PRODUCTION-WEAPONS SYSTEMS (C)
		GARLAND ANG BASE	GARLAND	205	4	31	35	189	4	AIR NATIONAL GUARD ACTIVITIES
		HONDO MUNICIPAL AIRPORT	HONDO	508	*	*	*	*	1	AUXILIARY TRAINING FIELD
		ELLINGTON ANG BASE	HOUSTON	105	8	372	380	1149	2281	AIR NATIONAL GUARD ACTIVITIES
		LA PORTE ANG STATION	LA PORTE	205	1	16	17	118	12	AIR NATIONAL GUARD ACTIVITIES
		REESE AFB	LUBBOCK	508	2251	597	2838	3101	3546	64 FLYING TRAINING WING
		NEDERLAND ANG STATION	NEDERLAND	205	1	*	1	101	9	AIR NATIONAL GUARD ACTIVITIES
	EAGLE PASS AAF	QUEMADA	508	*	*	*	*	824	AUXILIARY TRAINING FIELD	
	GOODFELLOW AFB	SAN ANGELO	508	1389	331	1720	1849	1119	6940 SECURITY WING	
	BROOKS AFB	SAN ANTONIO	508	1541	1034	2575	2758	1310	AEROSPACE MEDICAL DIVISION	

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		THEODORE F GREEN MAP	WARWICK	205	2	*	2	2	19	AIR NATIONAL GUARD ACTIVITIES
SOUTH CAROLINA										
		CHARLESTON AFB	CHARLESTON	204	4408	1330	5738	7994	6164	437 MILITARY AIRLIFT WING
		MCENTIRE ANG BASE	EASTOVER	205	4	326	330	1332	2394	AIR NATIONAL GUARD ACTIVITIES
		MYRTLE BEACH AFB	MYRTLE BEACH	202	3320	432	3752	3877	4065	354 TACTICAL FIGHTER WING
		CHARLESTON DEF FUEL SUPPORT PT N.	CHARLESTON	507	*	1	1	20	56	POL SUPPLY SITE
		NORTH CHARLESTON AFS	N. CHARLESTON	101	*	*	*	*	67	792 RADAR SQUADRON
		NORTH CHARLESTON COMM ANNEX	N. CHARLESTON	101	*	*	*	*	30	COMMUNICATIONS
		NORTH AAF	NORTH	202	*	*	*	*	2392	AUXILIARY FIELD
		SHAW AFB	SUMTER	202	6186	553	6739	6956	3271	363 TACTICAL RECON WING
		POINSETT WRG	WEDGEFIELD	202	*	*	*	*	8039	RANGE
SOUTH DAKOTA										
		ELLSWORTH AFB	BOX ELDER	101	5983	550	6533	6684	28642	44 STRAT MSL WG & 28 BOMB WG
		JOE FOSS FIELD	STIOUX FALLS	205	2	266	268	938	145	AIR NATIONAL GUARD ACTIVITIES
TENNESSEE										
		ALCOA ANG STATION	ALCOA	205	*	*	*	*	12	AIR NATIONAL GUARD ACTIVITIES
		MCGHEE TYSON AIRPORT	ALCOA	205	42	330	372	1182	287	AIR NATIONAL GUARD ACTIVITIES
		LOVELL FIELD	CHATTANOOGA	205	1	16	17	118	10	AIR NATIONAL GUARD ACTIVITIES
		ARNOLD AFS	MANCHESTER	306	169	215	384	1789	39081	ENGINE DEVELOPMENT CTR

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	OKLAHOMA CITY AFS	MIDWEST CITY	402	*	*	*	*	129	GENERAL SUPPORT ANNEX
	TINKER AFB	MIDWEST CITY	507	7686	17999	25685	31129	4277	AIR LOGISTICS CENTER
	WILL ROGERS WORLD AIRPORT	OKLAHOMA CITY	205	4	254	258	993	71	AIR NATIONAL GUARD ACTIVITIES
	AIR FORCE PLANT 3	TULSA	507	*	*	*	*	332	PRODUCTION-AIRCRAFT PARTS (C)
	TULSA INTERNATIONAL AIRPORT	TULSA	205	3	280	283	1033	78	AIR NATIONAL GUARD ACTIVITIES
OREGON	KINGSLEY FIELD	KLAMATH FALLS	101	2	326	328	676	1087	AIR DEFENSE
	PORTLAND IAP	PORTLAND	105	11	625	636	2051	394	RC ACT -
PENNSYLVANIA	GREATER PITTSBURGH ANG BASE	CORAPOLIS	205	1	490	491	1748	90	AIR NATIONAL GUARD ACTIVITIES
	GREATER PITTSBURGH IAP	CORAPOLIS	205	27	352	379	1146	345	RC ACTIVITIES (AFR)
	HARRISBURG IAP OLMSTED FIELD	MIDDLETOWN	205	2	*	2	828	35	AIR NATIONAL GUARD ACTIVITIES
	PHILADELPHIA IAP COMM STA ANG	PHILADELPHIA	205	33	16	49	150	3	AIR NATIONAL GUARD ACTIVITIES
	STATE COLLEGE ANG STATION	STATE COLLEGE	205	1	25	26	89	3	AIR NATIONAL GUARD ACTIVITIES
	WYOMING VALLEY ANG CTR	WYOMING	205	*	*	*	*	2	AIR NATIONAL GUARD ACTIVITIES
RHODE ISLAND	COVENTRY ANG STATION	COVENTRY	205	*	*	*	157	17	AIR NATIONAL GUARD ACTIVITIES
	QUONSET STATE AIRPORT	N KINGSTON	105	3	253	256	931	9	AIR NATIONAL GUARD ACTIVITIES
	NO SMITHFIELD FACILITY	SLATERSVILLE	205	*	44	44	200	10	AIR NATIONAL GUARD ACTIVITIES

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		WESTCHESTER COUNTY MAP	WHITE PLAINS	205	*	*	*	*		1 AIR NATIONAL GUARD ACTIVITIES
		YOUNGSTOWN TEST SITE	YOUNGSTOWN	306	*	*	*	*		99 R&D ACTIVITIES
NORTH CAROLINA										
		BADIN ANG STATION	BADIN	205	1	23	24	139		8 AIR NATIONAL GUARD ACTIVITIES
		DUOLAS MUNICIPAL AIRPORT	CHARLOTTE	205	3	255	258	1002	49 *	
		SEYMOUR JOHNSON AFB	GOLDSBORO	202	5146	508	5654	5900		4145 4 TACTICAL FIGHTER WING
		FORT FISHER AIR FORCE STATION	KURE BEACH	101	85	25	110	112		101 ELECTRONICS SITE (RADAR)
		FORT FISHER COMM ANNEX	KURE BEACH	101	*	*	*	*		141 COMMUNICATIONS
		POPE AFB	SPRINGLAKE	204	4488	365	4853	5066		1786 317 TACTICAL AIRLIFT WING
		DARE COUNTY WRG	STUMPY POINT	202	*	3	3	25		46852 RANGE
		WADESBORO ANG STATION	WADESBORO	205	*	*	*	*		4 AIR NATIONAL GUARD ACTIVITIES
NORTH DAKOTA										
		BISMARCK BOMB SCORING SITE	BISMARCK	202	70	1	71	71		7 BOMB SCORING SITE
		CAVALIER AFS	CONCRETE	101	28	5	33	124		850 ELECTRONICS SITE
		GRAND FORKS AFB	EMERADO	101	5250	495	5745	5871		24484 321 STRAT MSL WG & 319 BOMB WG
		HECTOR FIELD	FARGO	205	6	359	365	1178		133 AIR NATIONAL GUARD ACTIVITIES
		FORTUNA AFS	FORTUNA	101	*	4	4	4		125 708 RADAR SQUADRON
		FORTUNA COMM ANNEX	FORTUNA	101	*	*	*	*		15 COMMUNICATIONS
		J MOSES VA MEM HOSPITAL	MINOT	508	*	*	*	*		21 HEALTH CARE
		MINOT AFB	MINOT	101	5872	517	6189	6318		24940 91 STRAT MSL WG & 5 BOMB WG

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	GREAT BEND BOMB SCORING SITE	GREAT BEND	202	41	*	41	41		5 BOMB SCORING SITE
	AIR FORCE PLANT 59	JOHNSON CITY	507	*	*	*	*		30 PRODUCTION-AIRCRAFT SYSTEMS(C)
	AIR FORCE PLANT 38	LEWISTON	507	*	*	*	*		881 PRODUCTION-ROCKET ENGINES (C)
	STOCKBRIDGE TEST ANNEX	MERRILLSVILLE	306	*	*	*	*		295 TEST SITE
	MONTAUK AFS	MONTAUK	101	*	*	*	*		312 773 RADAR SQUADRON
	NIAGARA FALLS IAP	NIAGARA FALLS	205	18	744	762	2225		980 RC ACT - 914 TAG (AFR)
	TUMMONDS HILL TEST ANNEX	ONTARIO	306	*	*	*	*		2 R&D ACTIVITIES
	PLATTSBURGH AFB	PLATTSBURGH	101	4101	420	4521	4632		4889 380 BOMBARDMENT WING
	PLATTSBURGH COMM ANNEX	PLATTSBURGH	101	*	*	*	*		40 COMMUNICATIONS
	PLATTSBURGH TRAINING ANNEX	PLATTSBURGH	101	*	*	*	*		20 TRAINING SITE
	GRIFFISS AFB	ROME	101	4881	2876	7557	7707		5836 416 BOMBARDMENT WING
	GRIFFISS COMM ANNEX	ROME	101	*	*	*	*		4 COMMUNICATIONS
	ROSLYN ANG STATION	ROSLYN	205	2	19	21	370		50 AIR NATIONAL GUARD ACTIVITIES
	SARATOGA AFS	SARATOGA SPGS	101	*	*	*	*		50 ELECTRONICS SITE (I)
	SCHENECTADY AIRPORT	SCHENECTADY	205	2	239	241	874		106 AIR NATIONAL GUARD ACTIVITIES
	HANCOCK FIELD	SYRACUSE	101	4	388	392	1287		765 21 AIR DEFENSE SAGE DIVISION
	VERONA TEST ANNEX	VERONA	306	*	10	10	10		514 TEST SITE
	WATERTOWN AFS	WATERTOWN	101	*	*	*	*		661 655 RADAR SQUADRON
	WATERTOWN COMM ANNEX	WATERTOWN	101	*	*	*	*		8 COMMUNICATIONS
	QUAKER HILL TEST ANNEX	WESTERN	308	*	*	*	*		7 R&D ACTIVITIES
	SUFFOLK COUNTY AIRPORT	WESTHAMPTON BCH	105	2	237	239	805		70 AIR NATIONAL GUARD ACTIVITIES

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NEW HAMPSHIRE		NH SATELLITE TRACKING ANNEX	MT VERNON	101	*	*	*	*	2873	ELECTRONICS SITE
		PEASE AFB	NEWINGTON	101	3608	681	4289	5071	4631	509 BOMBARDMENT WING
NEW JERSEY		GIBBSBORO AIR FORCE STATION	GIBBSBORO	101	62	12	74	81	23	ELECTRONICS SITE
		ATLANTIC CITY AIRPORT	PLEASANTVILLE	105	1	328	329	1065	119	AIR NATIONAL GUARD ACTIVITIES
		WARREN GROVE WRG	WARREN GROVE	205	*	11	11	17	*	RANGE
		MCGUIRE AFB	WRIGHTSTOWN	204	5141	2123	7264	9847	3873	438 MILITARY AIRLIFT GROUP
NEW MEXICO		HOLLOMAN AFB	ALAMOGORDO	202	6844	1161	8005	8306	58187	49 TACTICAL FIGHTER WING
		AIR FORCE PLANT 83	ALBUQUERQUE	507	*	*	*	*	33	PRODUCTION-JET ENGINE PARTS(C)
		KIRTLAND AFB	ALBUQUERQUE	204	6530	3382	9912	11531	43902	1550 AIRCREW TRAINING TEST W3
		CANNON AFB	CLOVIS	202	3810	404	4214	4388	4475	27 TACTICAL FIGHTER WING
		SILVER CITY RADAR SITE	GLENWOOD	101	*	*	*	*	1	ELECTRONICS SITE
		MELROSE WRG	MELROSE	202	*	*	*	*	22087	RANGE
NEW YORK		AVA TEST ANNEX	AVA	306	*	1	1	1	297	TEST SITE
		AIR FORCE PLANT 49	BUFFALO	507	*	*	*	*	8	PRODUCTION-STEEL SHAPES (C)
		FOREST PORT TEST ANNEX	FOREST PORT	306	*	*	*	*	183	R&D ACTIVITIES

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MONTANA		GREAT FALLS COMM FACILITY SITE	GREAT FALLS	101	*	*	*	*	17	ELECTRONICS SITE
		GREAT FALLS IAP	GREAT FALLS	205	3	345	348	1126	139	AIR NATIONAL GUARD ACTIVITIES
		MALMSTROM AFB	GREAT FALLS	101	3700	479	4179	4287	29067	341 STRATEGIC MISSILE WING
NEBRASKA		OFFUTT AFB	BELLEVUE	101	12375	1792	14167	14841	4049	55 STRATEGIC RECON WING
		OFFUTT COMM ANNEX 2	ELKHORN	101	69	5	74	74	372	COMMUNICATIONS
		HASTINGS BOMB SCORING SITE	HASTINGS	202	76	5	81	81	11	BOMB SCORING SITE
		OFFUTT COMM ANNEX 3	HOOPER	101	*	*	*	*	110	COMMUNICATIONS
		LINCOLN MUNICIPAL AIRPORT	LINCOLN	205	1	334	335	1187	163	AIR NATIONAL GUARD ACTIVITIES
NEVADA		HAWTHORNE BOMB SCORING SITE	BABBITT	202	49	1	50	50	2	BOMB SCORING SITE
		INDIAN SPRINGS AAF	INDIAN SPRINGS	202	304	28	332	356	1692	AUXILIARY TRAINING FIELD
		NELLIS WRG	INDIAN SPRINGS	202	*	*	*	*	3001907	RANGE
		NELLIS AFB	LAS VEGAS	202	10247	1003	11250	12238	11271	474 TFW WEAPONS CTR
		NELLIS COMM ANNEX	LAS VEGAS	202	*	*	*	*	21	COMMUNICATIONS
		RENO INTERNATIONAL AIRPORT	RENO	205	2	302	304	1134	123	AIR NATIONAL GUARD ACTIVITIES
		MUD LAKE TEST ANNEX	TONOPAH	306	*	*	*	*	43	GENERAL SUPPORT SITE
		TONOPAH AFS	TONOPAH	306	*	*	*	*	4000	R&D ACTIVITIES

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MISSISSIPPI		DULUTH IAP	DULUTH	101	1	*	1	1	1077	23 AIR DEFENSE DIV
		MINNEAPOLIS-ST PAUL IAP	MINNEAPOLIS	205	34	646	680	2263	301	RC ACT - 934 TAG (AFR)
		KEESLER AFB	BILOXI	508	6139	2461	8600	9856	3547	TECHNICAL TRAINING CENTER
		KEESLER TNG SITE 1	BILOXI	508	*	*	*	*	57	TRAINING
MISSOURI		COLUMBUS AFB	COLUMBUS	508	2503	519	3022	3346	4935	14 FLYING TRAINING WING
		ALLEN C THOMPSON FIELD	FLOWOOD	205	2	232	234	861	84	AIR NATIONAL GUARD ACTIVITIES
		GULFPORT MAP ANG PERM TNG BASE	GULFPORT	205	2	78	80	300	211	AIR NATIONAL GUARD ACTIVITIES
		KEY FIELD	MERIDIAN	205	4	39	43	1017	74	AIR NATIONAL GUARD ACTIVITIES
		BELTON COMM STATION ANNEX	BELTON	303	*	*	*	*	7	COMMUNICATIONS
MISSOURI		ROSECRANS MEMORIAL AIRPORT	ELWOOD	205	2	260	262	860	91	AIR NATIONAL GUARD ACTIVITIES
		RICHARDS-GEBAUR AFB	GRANDVIEW	205	12	3.9	321	1560	2936	442 TACTICAL AIRLIFT WING (AFR)
		WHITEMAN AFB	KNOB NOSTER	101	3085	439	3524	3621	25019	351 STRATEGIC MISSILE WING
		AIR FORCE PLANT 65	NEOSHO	507	1	8	9	9	357	ENGINE OVERHAUL (C)
		LAMBERT ST LOUIS IAP ANG	ST ANN	205	42	393	435	1414	51	AIR NATIONAL GUARD ACTIVITIES
		AIR FORCE PLANT 84	ST LOUIS	507	*	*	*	*	45	PRODUCTION-AIRCRAFT (C)
		DMA AEROSPACE CTR	ST LOUIS	507	67	3801	3868	3908	66	PRODUCTION-AEROSPACE MAPS (DMA)
		JEFFERSON BARRACKS ANG STATION	ST LOUIS	205	*	53	53	351	135	AIR NATIONAL GUARD ACTIVITIES
		ST LOUIS AFS	ST LOUIS	204	62	62	124	124	11	GENERAL SUPPORT SITE

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		AIR FORCE PLANT 63	NORTH GRAFTON	507	*	*	*	*	*	232 PRODUCTION-AIRCFT FORGINGS (C)
		NORTH TRURO AIR FORCE STATION	NORTH TRURO	101	*	6	14	23	134	ELECTRONICS SITE (RADAR)
		NORTH TRURO COMM ANNEX	NORTH TRURO	101	*	*	*	*	97	COMMUNICATIONS
		SUDBURY RESEARCH SITE	SUDBURY	306	*	*	*	*	10	R&D ACTIVITIES
		PROSPECT HILL RESEARCH SITE	WALTHAM	306	*	*	*	*	6	R&D ACTIVITIES
		WELLESLEY ANG STATION	WELLESLEY	205	*	36	36	211	7	AIR NATIONAL GUARD ACTIVITIES
		BARNES MUNICIPAL AIRPORT	WESTFIELD	205	2	283	285	995	134	AIR NATIONAL GUARD ACTIVITIES
		WORCHESTER ANG STATION	WORCHESTER	205	2	61	63	305	8	AIR NATIONAL GUARD ACTIVITIES
MICHIGAN										
		PHELPS COLLINS AIRPORT	ALPENA	205	*	54	54	84	3197	AIR NATIONAL GUARD ACTIVITIES
		BAYSHORE BOMB SCORING SITE	BAYSHORE	202	47	1	48	48	4	BOMB SCORING SITE
		CALUMET AFS	CENTRAL	101	78	25	103	112	103	665 RADAR SQUADRON
		K. I. SAWYER AFB	GWINN	101	3446	399	3845	3916	9225	410 BOMBARDMENT WING
		SELFRIEDGE ANG BASE	MT CLEMENS	205	85	934	1019	3491	3753	RC ACT - 191 FIG (ANG)
		WURTSMITH AFB	OSCODA	101	3060	377	3437	3505	5211	379 BOMBARDMENT WING
		PORT AUSTIN AIR FORCE STATION	PORT AUSTIN	101	74	23	97	109	54	ELECTRONICS SITE
		PORT AUSTIN COMM ANNEX	PORT AUSTIN	101	*	*	*	*	6	COMMUNICATIONS
		W K KELLOGG REGIONAL AIRFIELD	SPRINGFIELD	205	1	229	230	907	89	AIR NATIONAL GUARD ACTIVITIES
MINNESOTA										
		DULUTH ANG BASE	DULUTH	205	1	372	373	1148	152	AIR NATIONAL GUARD ACTIVITIES

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	BANGOR	INTERNATIONAL AIRPORT	BANGOR	105	27	301	328	1033	379	AIR NATIONAL GUARD ACTIVITIES
	L BLOTNER	BOMB SCORING SITE	CARIBOU	202	x	x	x	x	31	BOMB SCORING SITE
	LORING AFB		LIMESTONE	101	3503	542	4045	4131	11248	42 BOMBARDMENT WING
	SEARSPORT	DEF FUEL SUPPORT PT	SEARSPORT	507	x	x	x	x	1266	POL SUPPLY SITE
	SOUTH PORTLAND	ANG STATION	SOUTH PORTLAND	205	2	38	40	251	12	AIR NATIONAL GUARD ACTIVITIES
MARYLAND	GLENN L. MARTIN	AIRPORT	BALTIMORE	205	x	x	x	x	63	AIR NATIONAL GUARD ACTIVITIES
	BRANDYWINE	COMM STATION	BRANDYWINE	204	79	2	81	81	1640	COMMUNICATIONS
	ANDREWS AFB		CAMP SPRINGS	204	7049	2563	9612	11780	7497	89 MILITARY AIRLIFT GROUP
	GOVERNORS BRIDGE	COMM STATION	DAVIDSONVILLE	204	x	x	x	x	1071	COMMUNICATIONS
	AIR FORCE PLANT 50		HALETHORPE	507	x	x	x	x	15	AIRCFT QUALITY EXTENSIONS (C)
MASSACHUSETTS	HANSCOM AFB		BEDFORD	306	2115	2907	5022	5181	790	ELECTRONICS SYSTEMS DIV AFSC
	WESTOVER AFB		CHICOPEE	205	36	657	693	2026	3188	RC ACT - 439 TAW (AFR)
	AIR FORCE PLANT 28		EVERETT	507	x	x	x	x	49	PRODUCTION-JET ENGINES (C)
	OTIS AFB		FALMOUTH	105	4	350	354	1176	5152	RESERVE COMPONENT TRAINING
	WESTOVER COMM ANNEX		GRANBY	205	x	x	x	x	100	COMMUNICATIONS
	SAGAMORE HILL RESEARCH ANNEX		HAMILTON	306	x	x	x	x	32	R&D ACTIVITIES
	AIR FORCE PLANT 29		LYNN	507	x	x	x	x	18	PRODUCTION-JET ENGINES (C)
	MAYNARD RESEARCH SITE		MAYNARD	306	x	x	x	x	60	R&D ACTIVITIES

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KANSAS	DES MOINES	MUNICIPAL AIRPORT	DES MOINES	205	2	309	311	1103	113	AIR NATIONAL GUARD ACTIVITIES
	FORT DODGE	FACILITY	FORT DODGE	205	1	23	24	71	8	AIR NATIONAL GUARD ACTIVITIES
	SIOUX CITY	MUNICIPAL AIRPORT	SERGEANT BLUFF	205	1	263	264	926	111	AIR NATIONAL GUARD ACTIVITIES
KANSAS	SMOKEY HILL	ANG RANGE	BROOKVILLE	205	*	25	25	52	33878	RANGE
	FORBES	AIRPORT	PAULINE	205	1	282	283	1003	795	AIR NATIONAL GUARD ACTIVITIES
	MCCONNELL	AFB	WICHITA	101	2527	1230	3757	5025	41616	381 STRATEGIC MISSILE WING
KENTUCKY	STANDIFORD	FIELD	LOUISVILLE	205	3	345	348	1227	65	AIR NATIONAL GUARD ACTIVITIES
	RICHMOND	BOMB SCORING SITE	RICHMOND	202	71	*	71	71	2	BOMB SCORING SITE
LOUISIANA	ENGLAND	AFB	ALEXANDRIA	202	3143	432	3575	3739	2409	23 TACTICAL FIGHTER WING
	BARKSDALE	AF	BOSSIER CITY	101	5948	1145	7093	8573	73425	2 BOMBARDMENT WING
	CLAIBORNE	WRG	FOREST HILL	202	*	*	*	*	25972	RANGE
	HAMMOND	ANG COMM STATION	HAMMOND	205	*	25	25	153	14	AIR NATIONAL GUARD ACTIVITIES
	LAKE CHARLES	AIR FORCE STATION	LAKE CHARLES	101	7	*	7	7	4	ELECTRONICS SITE
	JACKSON	BARRACKS ANG STATION	NEW ORLEANS	205	*	15	15	116	4	AIR NATIONAL GUARD ACTIVITIES
MAINE	SLIDELL	RADAR SITE	SLIDELL	101	1	*	1	1	1	ELECTRONICS SITE

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IDAHO		KAENA POINT FACILITY	WAIALUA	106	11	9	20	266	141	MISSILE TRACKING
		BELLOWS AIR FORCE STATION	WAIMANALO	106	*	*	*	*	1571	COMMUNICATIONS
		WAHIAWA COMM STATION	WHITMORE VIL	106	*	*	*	*	9	COMMUNICATIONS
IDAHO		BOISE AIR TERMINAL (GOWEN FLD)	BOISE	205	*	477	477	1551	457	AIR NATIONAL GUARD ACTIVITIES
		SAYLOR CREEK WRG	BRUNEAU	202	*	*	*	*	111414	RANGE
		MOUNTAIN HOME AFB	MOUNTAIN HOME	202	3959	466	4425	4695	6701	366 TACTICAL FIGHTER WING
		WILDER RADAR BOMB SCORING SITE	WILDER	202	71	*	71	71	5	BOMB SCORING SITE
ILLINOIS		GREATER PEORIA AIRPORT	BARTONVILLE	205	*	235	235	921	27	AIR NATIONAL GUARD ACTIVITIES
		SCOTT AFB	BELLVILLE	204	7903	3127	11030	15960	2932	375 AEROMEDICAL AIRLIFT WING
		CHICAGO-O'HARE IAP	CHICAGO	205	13	738	751	2533	391	RC ACT - 928 TAG (AFR)
		CHANUTE AFB	RANTOUL	508	6257	1260	7517	8112	2174	TECHNICAL TRAINING CENTER
		CAPITAL MUNICIPAL AIRPORT	SPRINGFIELD	205	2	348	350	1234	70	AIR NATIONAL GUARD ACTIVITIES
INDIANA		GRISWOLD AFB	BUNKER HILL	101	2522	734	3256	4835	3015	305 AIR REFUELING WING
		FT WAYNE MUNICIPAL AIRPORT	FORT WAYNE	205	*	*	*	*	86	AIR NATIONAL GUARD ACTIVITIES
		HULMAN FIELD	TERRE HAUTE	205	2	304	306	1055	279	AIR NATIONAL GUARD ACTIVITIES

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ALABAMA	AFB	MCCLUM AND STATION	KENNESAW	205	1	45	46	227	13	AIR NATIONAL GUARD ACTIVITIES
		LEWIS B WILSON AIRPORT	MACON	205	*	19	19	161	15	AIR NATIONAL GUARD ACTIVITIES
		AIR FORCE PLANT 6	MARIETTA	507	29	179	208	208	703	PRODUCTION-AIRCRAFT PARTS (C)
		FORBES AFB	MARIETTA	205	147	1075	1222	3097	2214	RC ACT - 94 TAW (AFR)
		SAVANNAH AFB	SAVANNAH	101	*	*	*	*	20	702 RADAR SQUADRON
		SAVANNAH AND COMM STATION	SAVANNAH	205	2	31	33	155	12	AIR NATIONAL GUARD ACTIVITIES
		SAVANNAH MUNICIPAL AIRPORT	SAVANNAH	205	3	247	250	901	231	AIR NATIONAL GUARD ACTIVITIES
		ST SIMONS IS	ST SIMONS IS	205	*	23	23	135	6	AIR NATIONAL GUARD ACTIVITIES
		STATESBORO BOMB SCORING SITE	STATESBORO	202	*	*	*	*	80	BOMB SCORING SITE
		VALDOSTA	VALDOSTA	202	3381	453	3834	3998	5563	347 TACTICAL FIGHTER WING
		WARNER ROBINS	WARNER ROBINS	507	4219	15198	19417	24714	8810	AIR LOGISTICS CENTER
HAWAII	AFB	HONOLULU (APOSF)	HONOLULU (APOSF)	402	5817	2350	8167	9635	2757	9 AIRBORNE COMMAND & CONTROL SQUADRON
		KAHUKU	KAHUKU	106	*	*	*	*	33	COMMUNICATIONS
		KEKAHA	KEKAHA	205	1	13	14	57	2	AIR NATIONAL GUARD ACTIVITIES
		KEKAHA	KEKAHA	106	1	65	66	178	11	SPACE TRACKING
		MANAKULI	MANAKULI	303	10	*	10	10	6	SOLAR OBSERVATION
		WAHIAWA	WAHIAWA	205	*	*	*	*	7	AIR NATIONAL GUARD ACTIVITIES
		WHEELER AFB	WHEELER (APOSF)	202	1106	268	1374	1541	1391	22 TACTICAL AIR SUPPORT SQUADRON

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UTAH	KELLY AFB		SAN ANTONIO	507	1923	16713	18636	34273	4721	AIR LOGISTICS CENTER
	LACKLAND AFB		SAN ANTONIO	508	6485	1885	8370	9999	6784	USAF BASIC MILITARY SCHOOL
	SAN ANTONIO AIR FORCE STATION		SAN ANTONIO	507	158	1882	2040	2090	164	COMMUNICATIONS
	SEGUIN AAF		SEGUIN	508	*	*	*	*	826	AUXILIARY TRAINING FIELD
	DYESS COMM ANNEX		TYE	101	*	*	*	*	20	COMMUNICATIONS
	RANDOLPH AFB		UNIVERSAL CITY	508	5226	2584	7810	7998	3771	12 FLYING TRAINING WING
	RANDOLPH COMM SITE		UNIVERSAL CITY	508	*	*	*	*	4	COMMUNICATIONS
	SHEPPARD AFB		WICHITA FALLS	508	3784	1511	5295	7012	5258	TECHNICAL TRAINING CENTER
	HILL AFB		CLEARFIELD	507	5402	14565	19967	25532	5915	AIR LOGISTICS CENTER
	AIR FORCE PLANT 78		CORINNE	507	*	*	*	*	1515	PRODUCTION-MISSILES (C)
VERMONT	FRANCIS PEAK ANG STATION		FARMINGTON	205	*	*	*	*	20	AIR NATIONAL GUARD ACTIVITIES
	LITTLE MOUNTAIN TEST ANNEX		OGDEN	306	5	12	17	17	745	R&D ACTIVITIES
	SALT LAKE CITY IAP		SALT LAKE CITY	205	4	330	334	1241	75	AIR NATIONAL GUARD ACTIVITIES
	HILL WRG		WENDOVER	507	10	78	88	88	351539	RANGE
	WENDOVER WRG		WENDOVER	507	*	*	*	*	572588	RANGE
	BURLINGTON IAP		SO. BURLINGTON	205	2	308	310	1065	521	AIR NATIONAL GUARD ACTIVITIES
VIRGINIA										

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	LANGLEY AFB		HAMPTON	202	9223	1724	10947	11741	3526	1 TACTICAL FIGHTER WG & HQ TAC
	CAPE CHARLES AFS		KIPTOPEKE	101	*	*	*	*	193	771 RADAR SQUADRON
	CAPE CHARLES COMM ANNEX		KIPTOPEKE	101	*	*	*	*	6	COMMUNICATIONS
	BYRD FIELD		SANDSTON	205	1	289	290	1051	143	AIR NATIONAL GUARD ACTIVITIES
WASHINGTON	FAIRCHILD AFB		AIRWAY HEIGHTS	101	4289	830	5119	5988	5947	92 BOMBARDMENT WING
	FAIRCHILD COMM ANNEX		AIRWAY HEIGHTS	101	*	*	*	*	29	COMMUNICATIONS
	BELLINGHAM MAP		BELLINGHAM	205	1	22	23	137	4	AIR NATIONAL GUARD ACTIVITIES
	FOUR LAKES COMM STATION		CHENEY	205	1	39	40	178	156	AIR NATIONAL GUARD ACTIVITIES
	PAINE FIELD ANG STATION		EVERETT	205	1	17	18	119	15	AIR NATIONAL GUARD ACTIVITIES
	MAKAH AIR FORCE STATION		NEAH BAY	101	82	30	112	118	238	ELECTRONICS SITE (RADAR)
	SEATTLE AIR GUARD BASE		SEATTLE	205	1	22	23	134	8	AIR NATIONAL GUARD ACTIVITIES
	SPOKANE INTERNATIONAL AIRPORT		SPOKANE	205	3	36	39	219	79	AIR NATIONAL GUARD ACTIVITIES
	MCCHORD AFB		TACOMA	204	5428	1413	6841	8596	7199	62 MILITARY AIRLIFT WING
WEST VIRGINIA	KANAWHA COUNTY AIRPORT		CHARLESTON	205	3	236	239	885	58	AIR NATIONAL GUARD ACTIVITIES
	EASTERN WVA REGIONAL AIRPORT		MARTINSBURG	205	1	236	237	897	272	AIR NATIONAL GUARD ACTIVITIES
WISCONSIN	VOLK FIELD ANG BASE		CAMP DOUGLAS	205	3	56	59	91	7629	AIR NATIONAL GUARD ACTIVITIES

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State	Military Service	Name of Installation	City	IDPPC	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		TRUAX FIELD	MADISON	205	4	290	294	994	153	AIR NATIONAL GUARD ACTIVITIES
		GEN BILLY MITCHELL FIELD	MILWAUKEE	205	2	293	295	1791	101	RC ACT - 440 TAW (AFR)
WYOMING										
		BOULDER RESEARCH SITE	BOULDER	306	*	*	*	*	144	R&D ACTIVITIES
		FRANCIS E. WARREN AFB	CHEYENNE	101	3623	578	4201	4288	33765	90 STRATEGIC MISSILE WING

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Air Force									
GUAM	ANDERSEN AIR FORCE BASE	AGANA, GUAM	101	4131	654	4785	4870	11083	43 STRATEGIC WING
JOHNSTON ATOLL	JOHNSTON ATOLL AFD	JOHNSTON ISLAND	106	*	*	*	19	684	COMMUNICATIONS
PUERTO RICO	PUERTO RICO IAP	SAN JUAN	205	1	262	263	942	25	AIR NATIONAL GUARD ACTIVITIES
WAKE ISLAND	WAKE ISLAND AIR FORCE BASE	WAKE ISLAND	202	7	*	7	153	2600	WEATHER-SUPPORT

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CHAPTER FIVE MARINE CORPS BASE STRUCTURE

I. INTRODUCTION

This Chapter presents the Marine Corps' approach to its basing structure and the relationship of that structure to the Marine Corps' tactical force structure. In addition, base operating costs are identified.

The National Security Act of 1947, as amended, prescribes the organization of the Marine Corps.

Based on that directive, the Marine Corps is organized into operating forces assigned to the Fleet Marine Force; reserve forces; security forces for naval installations, ships and embassies; and a supporting establishment of operating bases, air stations, training centers, logistics, and support bases and headquarters elements.

The Marine Corps has identified no future force programs which will change the basic organization of the Marine Corps or its installation alignment.

II. BASE STRUCTURE OVERVIEW

Marine Corps tactical forces are assigned to installations which provide suitable local and regional training opportunities as well as position the forces for support and responsiveness to contingency requirements.

Marine Corps operating forces, split between Fleet Marine Force, Atlantic (FMFLANT) and Fleet Marine Force, Pacific (FMFPAC), are available to CINCLANT and CINCPAC through their respective FMF commanders. Operational commitments for these forces are projected to increase with the establishment of three Maritime Prepositioning Ship (MPS) Squadrons.

Specifically, FMFLANT will maintain one Marine Amphibious Force (MAF) on the East Coast of the U.S. available to CINCLANT. That MAF will continue to provide up to two Marine Amphibious Units (MAUs) at all times for afloat deployments in the Atlantic, Caribbean, and Mediterranean. The East Coast MAF will rotate battalions and fixed wing squadrons to the Western Pacific.

FMFPAC will maintain two MAFs in the Pacific region. Both of these MAFs are available to CINCPAC.

One MAF will remain forward deployed in the Western Pacific with one Brigade from that MAF stationed in Hawaii. One MAF will remain on the West Coast of the U.S. The West Coast MAF and the Hawaii Brigade will rotate battalions to the Western Pacific commencing in FY85. The MAF's in the Western Pacific and on the West Coast will continue to provide for forward afloat deployments.

The Reserve Division/Wing Team will be prepared on short notice to augment/reinforce the active structure with additional capabilities for a major war.

The three active MAFs in the FMF and the Reserve Division/Wing team will be maintained at a maximum state of readiness and deployment posture to assure a capability for rapid and effective response anywhere in the world to support the national strategy. The basic concept that links operating forces with the base structure is the essential requirement to maintain a base and logistics structure capable of:

- supporting peacetime force levels and operational commitments;
- accommodating rapid expansion to wartime force levels in event of mobilization; and,

- maintaining a training and logistics support posture that will provide sustained support for forces committed overseas under full mobilization conditions.

Rationale for the Location of Major Activities:

1. Ground Combat Elements located at Camp Lejeune, Camp Pendleton, Camp Butler and Marine Corps Air Station Kaneohe Bay have the following specific requirements:

- a. Adequate training areas for both helicopter and over-the-beach amphibious assault training.
- b. Direct rail and highway access to ports of embarkation (with one way transit time not exceeding four hours), and across-the-beach out-load capability for all amphibious shipping.
- c. Helicopter shore facility located to afford direct embarkation of personnel, equipment and supplies aboard amphibious shipping at sea from shore based facilities.
- d. Light fixed-wing aircraft facilities, helicopter landing sites, and fixed-wing Vertical/Short Take Off and Landing (V/STOL) sites to support air-ground team training and operations.
- e. Adequate facilities for combined arms training to include impact areas for live firing of organic weapons.
- f. Remote areas with suitable beaches and undeveloped airfield sites for advance deployment training of air-ground teams.
- g. Ready access to established logistics support bases.
- h. Sea, air, and beach areas with suitable adjacent maneuver areas inland for the accomplishment of integrated Navy/Marine amphibious training and exercises.

2. Aviation Combat Elements have the following requirements:

a. Fighter and Attack Squadrons (VMFA/VMA) located at Marine Corps Air Station, Beaufort, Cherry Point, El Toro, Iwakuni, Kaneohe Bay, and Yuma.

(1) A tactical jet air base within 200 miles of a major operational/tactical base.

(2) Capability to conduct aircraft carrier qualifications within 100 miles of a suitable air installation which can be used in emergency situations such as low fuel state or fouled deck diverts.

(3) Field mirror landing practice at the field and other suitable outlying airfields within 100 miles of home base.

(4) High performance air combat maneuvering (ACM) air space free from other activity and within 100 miles of home base.

(5) Sea and air space free from other activity for safe firing of Sidewinder, Sparrow, or other air-to-air missiles currently in the inventory or those which will be introduced or tested in the foreseeable future.

(6) Instrumented weapons range, targets and control facilities free from other activity for safe firing of missile weapons systems and for special weapons delivery training.

(7) Targets and control facilities for delivery of air-to-air, and air to surface ordnance in ground, sea, and air space free from other activity and installations for accomplishment of necessary training with conventional ordnance. Targets within 100 nautical miles of home base. If located greater than 100 miles from home base, a support field with appropriate facilities will be required to support aviation unit deployments.

(8) Fixed and moving shore and seaborne targets for accomplishment of necessary all-weather training with conventional ordnance and guided stand-off weapons which are currently available or will be introduced.

(9) Ground Controlled Intercept/Marine Tactical Data System (GCI/MTDS) units located so as to promote air-to-air intercept training.

(10) Suitable air space for conduct of aerial refueling practice.

(11) Adversary aircraft support facilities for ACM training.

b. Marine Attack Helicopter/Marine Light Helicopter/Marine Medium Helicopter/Marine Heavy Helicopter/Marine Observation Squadrons (HMA/HML/HMM.VMO) located at Marine Corps Air Stations, Tustin, New River, Futenma, Kaneohe Bay and at Marine Corps Air Facility, Camp Pendleton.

(1) A helicopter air station located within 40 miles of a Marine Division.

(2) High elevation, confined area, landing sites for training rotary wing pilots.

(3) Protected air space and ordnance target complexes within 50 miles of home base for training pilots and gunners.

(4) Outlying landing sites within 50 miles of home base for the conduct of syllabus training including field carrier landing practice.

(5) Facilities for all-weather training.

(6) Ready access to division training areas for combined arms and assault helicopter joint vertical training.

(7) Ready access to helicopter capable amphibious shipping (LHA/LPH) for the conduct of ship-based training and operations.

3. Requirements of the Combat Service Support Elements located at Camp Lejeune, Camp Pendleton, Camp Butler and Marine Corps Air Station, Kaneohe Bay are as follows:

(1) Access to road and rail for the shipment and receipt of supplies and equipment to support the MAF's.

(2) Storage and maintenance facilities to provide the appropriate level of support to operating forces in garrison and in preparation for deployment.

(3) Sea, air and beach areas with sufficient training area to exercise command and control, landing support operations, heavy engineer operations, tactical motor transport, field medicine as well as supply and maintenance in a field environment.

4. Marine Corps operating bases for forward deployed units in Japan and Hawaii generally meet the requirements as stated previously.

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State	Military Service	Name of Installation	City	IDPPC	MIL.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
		CAMP H. M. SMITH	HONOLULU	202	840	40	880	890	420	HQ FMF PAC/HQ CINCPAC/HQ IPAC
		MCAS, KANEIHE BAY	KAILUA	202	6542	1067	7609	7952	39392	1ST MARBDE/JET & HELO TNG OPNS
NORTH CAROLINA										
		MCAS, CHERRY POINT	HAVELOCK	202	10451	1668	12119	12672	26683	HQ 2ND MAW/JET TNG & OPNS/NAF
		MCOLF, ATLANTIC	HAVELOCK	402	*	*	*	*	1469	AVIATION PROFICIENCY TRAINING
		MCOLF, CAMP DAVIS	HOLLY RIDGE	402	*	*	*	*	955	AVIATION PROFICIENCY TRAINING
		MC BASE, CAMP LEJEUNE	JACKSONVILLE	202	36965	2718	39683	41001	88432	FMF BRND UNITS/TRP TNG/OPN SPT
		MCAS(H), NEW RIVER	JACKSONVILLE	202	*	*	*	*	2773	MAG 26/TRP TNG/OPER SUPPORT
		MCOLF, OAK GROVE	NEW BERN	402	*	*	*	*	978	AVIATION PROFICIENCY TRAINING
		MCALF, BOGUE	SWANBORO	402	*	*	*	*	837	2ND MAW/EXPEDITION AIRFLD TNG
SOUTH CAROLINA										
		MCAS, BEAUFORT	BEAUFORT	202	3271	491	3762	3802	6876	MAG-31/JET TNG/OPN SUPPORT
		MC RECRUIT DEPOT	PARRIS ISLAND	508	8110	579	8689	13679	8081	RECRUIT TRAINING
VIRGINIA										
		CAMP ELMORE	NORFOLK	202	680	5	685	685	22	HQ FMF LANT
		MC DEV & ED CMD	QUANTICO	508	6571	1815	8386	8252	60847	OFF PROF TNG/SKILL TNG/MC INST
		HQMC, HENDERSON HALL	WASHINGTON DC	402	2494	46	2540	2577	21	HQ USMC

United States
FY 1966

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State	Military Service	Name of Installation	City	IDPPC	MIL.	CIV.	Tot.	Total Pers.	Total Acreege	Major Unit-Activity-Function
ARIZONA										
		MCAS, YUMA	YUMA	202	3510	401	3911	4164	2930	JET TNG & TAC AVIATION (3DAW)
CALIFORNIA										
		MC LOGISTICS BASE	BARSTOW	507	628	1976	2604	2669	5608	DEPOT MAINT/SUPPLY & STORAGE
		MC MOUNTAIN WARFARE TNG CTR	BRIDGEPORT	402	*	*	*	*	60513	COLD WEATHER/MOUNTAIN TNG
		MCAS, EL TORO	IRVINE	202	8900	1007	9907	10262	5220	HQ 3RD MAW/JET TNG/OPER SPT
		MC BASE, CAMP PENDLETON	OCEANSIDE	202	30836	2033	32869	33876	186139	FMF BRND UNITS/TRP TNG/OPER SPT
		MCJAF CAMP PENDLETON	OCEANSIDE	202	*	*	*	*	343	HELO TNG/OPERATIONS
		MC AIR GD CBT CTR 29 PALMS	PALM SPRINGS	402	7665	438	8103	9138	595589	COMBINED ARMS TNG, MCCES
		MC RECRUIT DEPOT, SAN DIEGO	SAN DIEGO	508	7768	299	8067	12940	503	RECRUIT TRAINING
		MCAS (H), TUSTIN	TUSTIN	202	3080	40	3120	3159	1709	MAG-16/HELO TRAINING/OPERATION
DIST OF COLUMBIA										
		MARINE BARRACKS 8TH & 1 ST	WASHINGTON	402	1012	44	1056	1056	5	CEREMONIES/SECURITY
GEORGIA										
		MC LOGISTICS BASE	ALBANY	507	1149	2627	3776	3809	3327	DEPOT MAINT/SUPPLY & STORAGE/ICP
HAWAII										

TABLE XIV

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
GENERAL PURPOSE (202)	12		3	15
GENERAL PURPOSE (402)	6		1	7
CENTRAL SUPPLY AND MAINTENANCE (507)	2			2
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	3			3
TOTAL MARINE CORPS	25		4	29

SECTION VI
MARINE CORPS BASE STRUCTURE

V. ACTIONS TO REDUCE ANNUAL BASE OPERATIONS COSTS

The Marine Corps continues to pursue all possible means to reduce base operations cost, including:

1. Increased maintenance of real property (MRP) funding in order to inhibit the growth in the cost for reducing the backlog of maintenance and repair (BMAR).
2. Implementation of audit findings in order to obtain recommended savings.
3. The Marine Corps is complying with the energy conservation program in the DOD and has instituted a Marine Corps energy investment program. Both of these efforts result in cost avoidance and reduced requirements in base operating costs.
4. The construction of projects under the MCON Energy Conservation Program (ECIP).
5. Continuation of the Efficiency Review Program.
6. Continuation of the Commercial Activities Program.
7. The Marine Corps Air Station (MCAS), El Toro and the Marine Corps Logistics Base (MCLB), Albany are currently participating in the Office of the Secretary of Defense sponsored three-year test of the Model Installations Program which is designed to improve management efficiency of Base Operations Support.

employed by landing forces in amphibious operations and exercises academic supervision over all Marine Corps formal schools. The Marine Security Guard Battalion is also located at MCDEC and is charged with the training of Marine Corps security personnel for duty with the Department of State.

Marine Corps Air Facility (MCAF), Quantico provides maintenance and support facilities for HMX-1. HMX-1 provides helicopter support for the President of the United States, the Vice President, members of the Cabinet, and foreign dignitaries. MCAF, Quantico is situated within easy supporting distance of the Capital.

INDIVIDUALS (600)

Not applicable.

TABLE XIII

MAJOR DEFENSE PROGRAMS
MARINE CORPS BASE OPERATIONS
SUPPORT COSTS (\$MILLIONS)

MAJOR DEFENSE PROGRAMS	FIFTY STATES	U.S. TERRITORIES and POSSESSIONS	FOREIGN OVER- SEAS AREAS	TOTAL
Strategic (01)	-	-	-	-
General Purpose (02)	429.3	-	143.9	573.2
Intell. & Comm. (03)	-	-	-	-
Air/Sealift (04)	-	-	-	-
Guard & Reserve (05)	15.4	-	-	15.4
Research & Develop (06)	-	-	-	-
Cent. Supply & Maint. (07)	71.9	-	.7	72.6
Trng. Med, & Other Personnel (08)	108.9	-	-	108.9
Admin. & Assoc. (09)	5.1	-	-	5.1
Spt. of Other Nations (10)	-	-	-	-
Subtotal	630.6	-	144.6	775.2
Construction	303.7	-	7.2	310.9
Family Housing Operations and Maintenance	94.8	-	3.0	97.8
Total	1029.1	-	154.8	1,183.9

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1986

A summary of the estimated FY 1986 Base Operations Support Costs follows.

Camp Fuji, Japan provides critical organic weapons training ranges which are becoming increasingly unavailable on Okinawa. The training area includes hand grenade, demolitions, LAAW, mortar, tank, and artillery ranges. It affords the capability for long range observed fire, tank maneuver, and full employment of the Marine tank/infantry team. It also provides a site for cold weather training. It is considered an essential training area to support the Fleet Marine Force, Pacific.

Marine Corps Auxiliary Landing Field (MCALF) Bogue is located in North Carolina between Camp Lejeune and MCAS Cherry Point. The installation has been altered to accommodate the Expeditionary Airfield (EAF) program which is the present mission of the airfield. The installation is divided into two geographical areas; a garrison area and an expeditionary area. The garrison area provides support and services for those personnel in EAF training and for EAF equipment evaluation. The expeditionary area includes the airfield pavements and is operated only within the capability of the installed EAF equipment to retain as realistic a combat environment as possible. MCALF Bogue is the only installation on the East Coast that provides training for flight and ground crews and for Marine Corps engineer and Naval Construction Battalion personnel in the installation, maintenance, use, and operation of EAF equipment.

CENTRAL SUPPORT FORCES (500)

The Marine Corps has logistic support bases in Albany, Georgia, and Barstow, California.

The Marine Corps maintains recruit depots at Parris Island, South Carolina and San Diego, California.

The Marine Corps Development and Education Command (MCDEC) is located at Quantico, Virginia. MCDEC provides professional development training for Marine Corps officers at the basic, intermediate, and senior level, as well as precommissioning training for all Marine Corps officer candidates. Professional development training for Marine Corps Staff Non-Commissioned Officers is conducted at the Marine Corps Staff NCO Academy. Courses are also provided in communications and computer sciences for officers and enlisted personnel. In addition, MCDEC develops the doctrine, tactics, techniques, and equipment

MISSION SUPPORT FORCES (400)

The Marine Corps Air Ground Combat Center (MCAGCC) was formerly known as Marine Corps Base, Twentynine Palms, California and is commonly referred to as the "Combat Center". The mission of the Combat Center is to administer and conduct a combined arms program in order to exercise and evaluate participating units in the command, control, and coordination of supporting arms. This mission includes providing the training and guidance for Exercise Forces/Marine Air-Ground Task Forces (MAGTFs) in fire support planning and coordination. To achieve the necessary degree of realism in combat training, live ordnance, innovative training aids, and tactics and techniques of the real world opposition forces are used. Inherent in this mission is the requirement to examine existing doctrine critically and to use exercises to identify innovative and more efficient means of accomplishing the Fleet Marine Force (FMF) mission.

Henderson Hall is located adjacent to Headquarters Marine Corps in Arlington, Virginia. Henderson Hall provides services and support to Headquarters Marine Corps, including but not limited to, enlisted members' billeting and messing, enlisted and staff non-commissioned officer clubs, post exchange services, and recreational facilities. Henderson Hall's collocation with Headquarters Marine Corps increases the efficiency of the support services it provides.

The Marine Corps Mountain Warfare Training Center (MCMWTC) is located at Pickel Meadows in the Toiyabe National Forest, Mono County, California. The Center provides mission-oriented individual and unit training supportive of Marine Corps contingency missions on the northern flank of NATO, Southwest Asia, and Northeast Asia. The climate and terrain of MCMWTC is unique, offering high altitude, rugged mountain terrain and severe winter conditions. It is the only such location the Marine Corps has ready access to in the continental United States. Mountain and cold weather skills can only be obtained by training in the environment. In addition to mountain and cold weather skills, the training emphasizes small unit leadership, teamwork, confidence, and physical toughening which are applicable to any operational commitment.

MCAS(H) New River adjacent to Camp Lejeune. The East Coast based MAF is the Marine Corps' primary force in the event of a NATO/Warsaw Pact war. The headquarters of the 6th Marine Amphibious Brigade (MAB), located at Camp Lejeune, North Carolina, is designated to marry up with equipment and supplies embarked aboard Maritime Prepositioning Ships-1 (MPS-1). The units that comprise the 6th MAB are located at Camp Lejeune, Cherry Point, and New River, North Carolina and Beaufort, South Carolina.

III MAF, consisting of ground, aviation, and logistic components, is headquartered at Camp S. D. Butler, Okinawa, Japan. Camp Butler is the collective for all Marine Corps owned camps and facilities which comprise the Marine Corps Base structure on Okinawa. The ground combat component of the 3d MARDIV (reinforced) is located at Camp Butler. The logistics component, 3d FSSG, is located at Camp Butler with a detachment located at Iwakuni. The helicopter component is located at MCAS(H), Futenma, Japan. A portion of the tactical fixed wing aviation component is based at MCAS Iwakuni Japan and the remainder on Okinawa at Kadena AFB. The forward based III MAF is immediately available for contingency operations in Western Pacific. The 1st Marine Brigade (MARBDE) may provide additional ground and aviation forces for III MAF.

The 1st MARBDE is stationed at MCAS, Kaneohe Bay, Hawaii. The ground component of the Brigade consists of the 3d Marine Regiment, Brigade Service Support Group, and associated support units. The aviation components of tactical fixed wing aviation and helicopters is also located at MCAS, Kaneohe Bay. One of the three infantry battalions and a portion of the aviation assets assigned to the Brigade are continuously deployed as a MAU in the Western Pacific. This will continue until FY85 when the Brigade will begin supporting the Unit Deployment Program vice contingency deployments in WestPac. Dependents of the deployed personnel will be homebased at MCAS, Kaneohe Bay and the requirements for facilities to support dependents will remain unchanged. The 1st Marine Brigade is immediately available for contingency operations throughout the Western Pacific.

AUXILIARY FORCES (300)

Not applicable.

III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

The Marine Corps base structure is reflective of the mission to support its current and projected force structure levels. It is continually under review for potential mission changes, economy measures, and other relevant developments.

STRATEGIC FORCES (100)

Not applicable.

GENERAL PURPOSE FORCES (200)

The two FMF Headquarters, Fleet Marine Force, Atlantic at Camp Elmore, Norfolk, Virginia, and Fleet Marine Force, Pacific at Camp Smith, Honolulu, Hawaii, are collocated with Headquarters, Commander-in-Chief, Atlantic and Pacific respectively, for command, control, and communications efficiency.

The Marine Corps has three active Marine Amphibious Forces (MAFs). Two MAFs and a portion of the third MAF are based in the United States.

I MAF is based on the West Coast with its headquarters, and its major ground combat element, the 1st Marines Division (MARDIV), located at Camp Pendleton, California. The 3d Marine Aircraft Wing (MAW), the aviation component of I MAF, has its fixed wing aviation elements located at Marine Corps Air Station (MCAS), El Toro, California and MCAS, Yuma, Arizona. The helicopter elements of 3d MAF are located at MCAS (Helicopter) (MCAS(H)), Tustin, California and at the Air Facility at Camp Pendleton. The 1st Force Service Support Group (FSSG), I MAF's logistical component, is located at Camp Pendleton with detachments located at El Toro and MCAGCC, Twentynine Palms. The Headquarters of 7th Marine Amphibious Brigade (MAB), located at Twentynine Palms, California, is designated to marry up with equipment and supplies embarked aboard the Near Term Pre-Positioning Force (NTPF). During 1st Qtr FY86 NTPF will be relieved by Maritime Prepositioning Ships-2 (MPS-2). The Units that comprise the 7th MAB, are located at Twentynine Palms, Pendleton, Tustin, and El Toro, California. Also located at MCAGCC, Twentynine Palms are a reinforced infantry battalion, and an artillery battalion. An expeditionary airfield has been established to support training at the MCAGCC. Additionally, I MAF is the follow-on force in the event of a NATO/Warsaw Pact war or a conflict in the Western Pacific area.

II MAF is based on the East Coast. The 2d MARDIV, the ground combat component of II MAF, is located at Camp Lejeune. Its logistic component, the 2d FSSG is located at Camp Lejeune with detachments located at Cherry Point and Beaufort. The 2d MAF, the MAF's aviation component, has its fixed wing aviation units located at MCAS Cherry Point, North Carolina and MCAS, Beaufort South Carolina. The helicopter units are located at

5. The Marine Corps base at Twentynine Palms, originally established as an artillery training base and aviation gunnery range, is now the Marine Corps Air Ground Combat Center (MCAGCC). Twentynine Palms' size and location permit unrestricted firing of both artillery and air delivered ordnance. The Headquarters of the 7th Marine Amphibious Brigade (MAB) and selected subordinate units are located at Twentynine Palms. Additionally, this base provides ample space for the maneuver of mobile-mechanized task forces. Ten Combined Arms Exercises are scheduled each year and are conducted by Battalion or larger size units. The Marine Corps Communication-Electronics School is also located at Twentynine Palms to take advantage of the absence of electromagnetic interference and conflicting electromagnetic transmissions.

6. The Marine Corps has two logistics support activities, one at Albany, Georgia and the other at Barstow, California. The Marine Corps logistics bases are geographically located to provide the required direct support to individual FMF's at near minimum operating and transportation costs. Both are located in areas of relatively stable labor markets where there is little competition from other government agencies or the civilian sector for the required labor skills.

7. The Marine Corps maintains two recruit depots, one at Parris Island, South Carolina and the other at San Diego, California. Generally, recruits from the Western half of the nation are trained at San Diego and those from the East are trained at Parris Island. Female recruits are trained only at Parris Island. The geographical locations of the present depots reduce the travel costs of arriving recruits and of graduating Marines.

DEPARTMENT OF DEFENSE
BASE STRUCTURE STUDY
List of Abbreviations

(C)	- Contractor Operated
(I)	- Inactive
AAA	- Anti Aircraft Artillery
AAF	- Auxiliary Air Field
ACT	- Activity
AD	- Air Defense
ADMIN	- Administration
AF	- Air Force
AFB	- Air Force Base
AFP	- Air Force Plant
AFR	- Air Force Reserve
AFRC	- Armed Forces Reserve Center
AFS	- Air Force Station
AFSC	- Air Force Systems Command
AIRCFT	- Aircraft
ALF	- Auxiliary Land Field
AMMO	- Ammunition
AMPHIB	- Amphibious
ANG	- Air National Guard
ANX	- Annex
ASW	- Anti Submarine Warfare
BN	- Battalion
BOMB	- Bombardment
CBT	- Combat
CDEC	- (Army) Combat Development Experimentation Command
CINCPAC	- Commander in Chief, Pacific
CMD	- Command
CMD	- Command
COMM	- Communications
CONST	- Construction
CTR	- Center
DEF	- Defense
DET	- Detachment
DEV	- Development
DIA	- Defense Intelligence Agency
DIST	- Distribution
DIV	- Division
DLA	- Defense Logistics Agency
DNA	- Defense Mapping Agency
E. PAC	- Eastern Pacific
ED	- Education
ELEC	- Electronic
FAC	- Facility
FIG	- Fighter Interceptor Group
FLD	- Field

UNCLASSIFIED

DEPARTMENT OF DEFENSE

BASE STRUCTURE STUDY

List of Abbreviations

FMF	- Fleet Marine Force
FORSCOM	- (Army) Forces Command
FORTRPS	- Force Troops
FSSG	- Force Service Support Group
FWD	- Forward
GD	- Group
GP	- Group
HELO	- Helicopter
HQ	- Headquarters
IAP	- International Airport
ICP	- Inventory Control Point
IND	- Industrial
INF	- Infantry
INST	- Institute
IPAC	- Intelligence Command, Pacific
LANT	- Atlantic
MAB	- Marine Amphibious Brigade
MAF	- Marine Amphibious Force
MAG	- Marine Air Group
MAINT	- Maintenance
MARBDE	- Marine Brigade
MARDIV	- Marine Division
MAU	- Marine Amphibious Unit
MAW	- Marine Air Wing
MAW	- Marine Air Wing
MC	- Marine Corps
MCAF	- Marine Corps Air Facility
MCAGCC	- Marine Corps Air Ground Combat Center
MCAGTC	- Marine Corps Air Ground Training Center
MCAS	- Marine Corps Air Station
MCAS(H)	- Marine Corps Air Station (Helicopter)
MCB	- Marine Corps Base
MCCES	- Marine Corps Communications and Electronics School
MCLB	- Marine Corps Logistics Base
MCMWTC	- Marine Corps Mountain Warfare Training Center
MECH	- Mechanized
MED	- Medical
MIL	- Military
MISC	- Miscellaneous
MPS	- Maritime Propositioning Ships
MSL	- Missile
NARF	- Naval Air Rework Facility
NAS	- Naval Air Station
NAV	- Naval
NAVCOMS	- Naval Communications Area Master Station

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DEPARTMENT OF DEFENSE
BASE STRUCTURE STUDY
List of Abbreviations

NSA	- National Security Agency
NSWC	- Naval Surface Weapons Center
OFF	- Officer
OLF	- Outlying Landing Field
OPER	- Operations
OPNS	- Operations
ORG	- Organization
PAC	- Pacific
PLT	- Plant
POL	- Petroleum, Oils and Lubricants
PRO	- Program
PROC	- Procurement
PROD	- Production
PROF	- Professional
PT	- Point
PT	- Point
PUB	- Public
R&D	- Research and Development
RAF	- Royal Air Force
RC	- Reserve Component
RDT&E	- Research, Development, Test and Evaluation
REC	- Recreation
RECON	- Reconnaissance
REG	- Regional
RES	- Reservation
SCH	- School
SPT	- Support
SOD	- Squadron
STA	- Station
STRAT	- Strategic
Sub	- Submarine
SUP	- Supply
SYS	- Systems
T&E	- Test and Evaluation
TAC	- (Air Force) Tactical Air Command
TAG	- Tactical Airlift Group
TAW	- Tactical Airlift Wing
TECH	- Technical
TFG	- Tactical Fighter Group
TFW	- Tactical Fighter Wing
TNG	- Training
TRADOC	- (Army) Training and Doctrine Command
TRP	- Troop
USAREUR	- U.S. Army, Europe
USMA	- U. S. Military Academy

UNCLASSIFIED

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DEPARTMENT OF DEFENSE

BASE STRUCTURE STUDY

List of Abbreviations

USMC	- U. S. Marine Corps
WG	- Wing
WKS	- Works
WRG	- Weapons Range

END

FILMED

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DTIC